

Converting Colors

$Y_{xy}(100.0000, 0.3020, 0.3672)$

Have a look what the booklet for
Yxy(100.0000, 0.3020, 0.3672)
contains.

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Color

Yxy(91.6802, 0.3024, 0.3551)

Conversions

Conversions Part 1

Format	Color
Hex	D7FFE6
RGB	215, 255, 230
RGB Percent	84%, 100%, 90%
CMY	0.1567, 0.0000, 0.0981
CMYK	0.16, 0.00, 0.10, 0.00
HSL	142°, 100%, 92%
HSV	142°, 16%, 100%
XYZ	78.0740, 91.6802, 88.4271
YIQ	240.1900, -15.8150, -16.2550

Conversions

Conversions Part 2

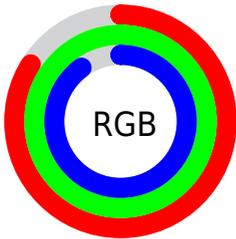
Format	Color
R _Y B	215, 244, 255
Decimal	14155750
CIE _{Lab}	96.69, -17.46, 7.69
CIE _{LCh}	97, 19.084, 156.221
Yxy	91.6802, 0.3024, 0.3551
Android (android.graphics.Color)	4292345830 (0xFFD7FFE6)
YUV	240.1900, -5.0237, -22.0916
Hunter-Lab	95.7498, -22.0138, 12.2692

Details

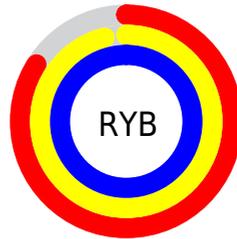
The Yxy color **91.6802, 0.3024, 0.3551** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1782, 0.3247, 0.3043**, and the grayscale version is **87.3505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9569, 0.2998, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **87.2625, 0.2961, 0.3743**, and if you desaturate by 10%, it is **96.7895, 0.3090, 0.3379**.

Distribution



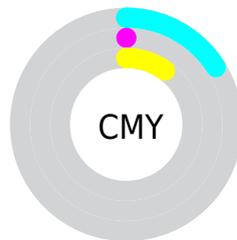
- Red (84%)
- Green (100%)
- Blue (90%)



- Red (84%)
- Yellow (96%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 91.6802, 0.3024, 0.3551 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 91.6802, 0.3024, 0.3551 by changing the saturation by 10% instead.

 91.6802, 0.3024,
0.3551

 91.6802, 0.3024,
0.3551

533.4814, 0.3071,
0.3433

 69.3750, 0.3013,
0.3577

149.6701, 0.3040,
0.3510

 51.0172, 0.3000,
0.3610

186.1236, 0.3046,
0.3495

 36.2223, 0.2984,
0.3650

228.0620, 0.3052,
0.3481

 24.6059, 0.2963,
0.3703

275.8697, 0.3057,
0.3469

 15.7837, 0.2935,
0.3773

329.9311, 0.3061,
0.3458

 9.3712, 0.2895,
0.3872

390.6306, 0.3065,

 4.9841, 0.2834,

0.3449

0.4022

458.3526, 0.3068,
0.3440

■ 2.2379, 0.2731,
0.4273

■ 0.7406, 0.2157,
0.5756

■ 91.6802, 0.3024,
0.3551

■ 91.6802, 0.3024,
0.3551

■ 87.2625, 0.2961,
0.3743

■ 96.7895, 0.3090,
0.3379

■ 83.4948, 0.2903,
0.3955

99.9982, 0.3127,
0.3290

■ 80.3487, 0.2853,
0.4184

■ 77.7891, 0.2814,
0.4425

■ 75.7773, 0.2790,
0.4672

■ 74.2699, 0.2784,
0.4916

■ 73.2160, 0.2797,
0.5147

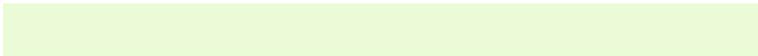
■ 72.5537, 0.2828,
0.5355

■ 72.3502, 0.2844,
0.5437

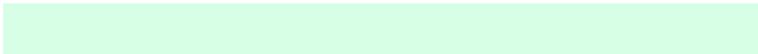
Harmonies

Analogous

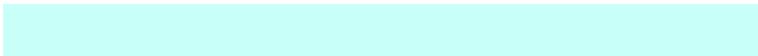
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6802, 0.3238, 0.3655



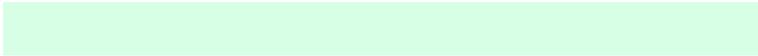
91.6802, 0.3024, 0.3551



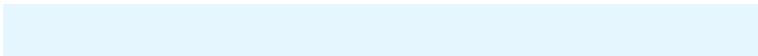
91.6802, 0.2842, 0.3370

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.6802, 0.3024, 0.3551



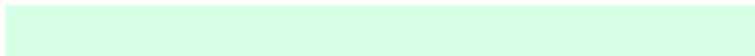
91.6802, 0.2829, 0.2939



91.6802, 0.3534, 0.3385

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



91.6802, 0.3024, 0.3551



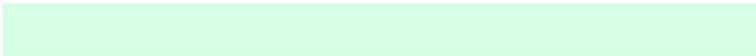
76.1782, 0.3247, 0.3043

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.6802, 0.3417, 0.3204



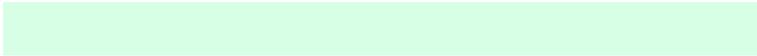
91.6802, 0.3024, 0.3551



91.6802, 0.3006, 0.2953

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.6802, 0.3024, 0.3551



91.6802, 0.2733, 0.3016



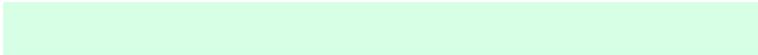
91.6802, 0.3222, 0.3049



91.6802, 0.3537, 0.3550

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.6802, 0.3024, 0.3551



91.6802, 0.2762, 0.3236



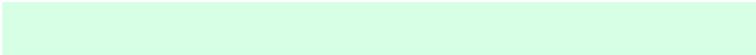
91.6802, 0.3222, 0.3049



91.6802, 0.3506, 0.3325

Sweetspot

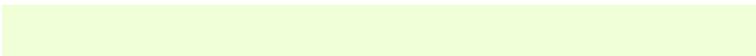
The Sweet Spot groups the original color and five complimentary colors.



91.6841, 0.3024, 0.3551



97.1579, 0.3094, 0.3368



95.0130, 0.3268, 0.3692



20.7134, 0.3089, 0.3379



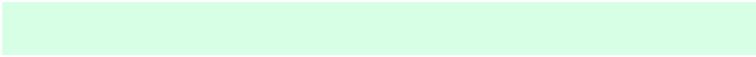
0.0000, 0.0000, 0.0000



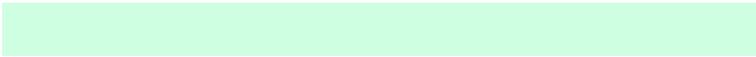
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6841, 0.3024, 0.3551



90.1384, 0.3003, 0.3613



92.8535, 0.2917, 0.3344



20.2805, 0.3064, 0.3443



37.8320, 0.2835, 0.5407



3.7039, 0.2772, 0.5179

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



76.1782, 0.3247, 0.3043



71.7759, 0.3277, 0.2988



75.0702, 0.3386, 0.3237



18.1784, 0.3196, 0.3142



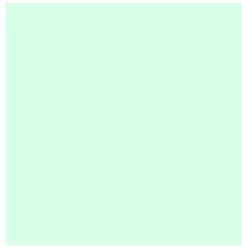
12.4591, 0.4437, 0.2218



1.2343, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 91.6802, 0.3024, 0.3551 looks on a white background.

Color Contrast Check

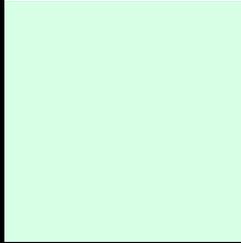
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 91.6802, 0.3024, 0.3551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

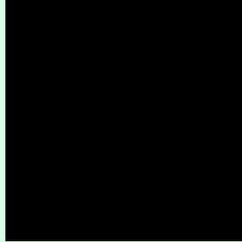
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

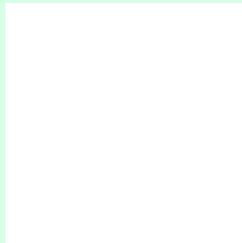
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.6802, 0.3024, 0.3551

Background



This preview shows how black text looks on a background with the Yxy color 91.6802, 0.3024, 0.3551.

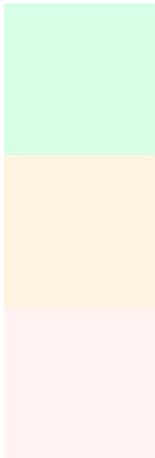


This preview shows how white text looks on a background with the Yxy color 91.6802, 0.3024, 0.3551.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

91.6802, 0.3024, 0.3551

Protanopia

91.1540, 0.3316, 0.3487

Deuteranopia

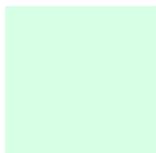
91.1151, 0.3219, 0.3300



Tritanopia

91.5744, 0.3012, 0.3211

Trichromacy



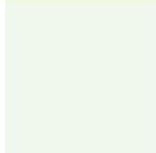
Original Color

91.6802, 0.3024, 0.3551



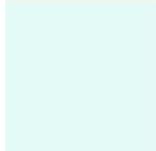
Protanomaly

91.1511, 0.3207, 0.3512



Deuteranomaly

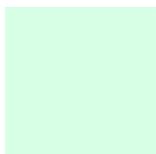
91.1612, 0.3142, 0.3390



Tritanomaly

91.5190, 0.3013, 0.3330

Monochromacy



Original Color

91.6802, 0.3024, 0.3551



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3499, 0.3091, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6802, 0.3024, 0.3551 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(215, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(215, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 91.6802, 0.3024, 0.3551 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 255, 230) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(215, 255, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(215, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
230) }
```

Background

The CSS property to change the background color of an element to Yxy 91.6802, 0.3024, 0.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(215,  
255, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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