

Converting Colors

$Y_{xy}(100.0000, 0.3012, 0.3565)$

Have a look what the booklet for
Yxy(100.0000, 0.3012, 0.3565)
contains.

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Color

Yxy(93.0652, 0.3015, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	DDFEE
RGB	221, 255, 238
RGB Percent	87%, 100%, 93%
CMY	0.1335, 0.0000, 0.0666
CMYK	0.13, 0.00, 0.07, 0.00
HSL	150°, 100%, 93%
HSV	150°, 13%, 100%
XYZ	81.0022, 93.0652, 94.5966
YIQ	242.8960, -14.8070, -12.4950

Conversions

Conversions Part 2

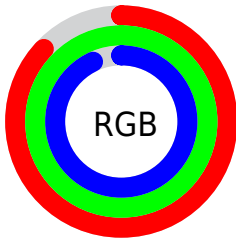
Format	Color
R _Y B	221, 244, 255
Decimal	14548974
CIE Lab	97.25, -14.12, 4.43
CIE LCh	97, 14.793, 162.591
Yxy	93.0652, 0.3015, 0.3464
Android (android.graphics.Color)	4292739054 (0xFFDDFFEE)
YUV	242.8960, -2.4137, -19.2028
Hunter-Lab	96.4703, -18.9439, 9.3908

Details

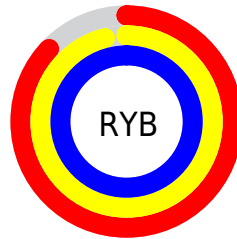
The Yxy color **93.0652, 0.3015, 0.3464** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1166, 0.3256, 0.3122**, and the grayscale version is **89.5581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8726, 0.2994, 0.3501** is the 20% darker color. If you saturate the color by 10%, you get **88.6351, 0.2934, 0.3612**, and if you desaturate by 10%, it is **98.1431, 0.3099, 0.3331**.

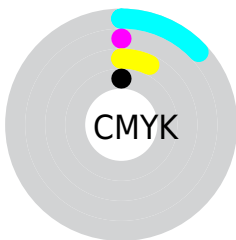
Distribution



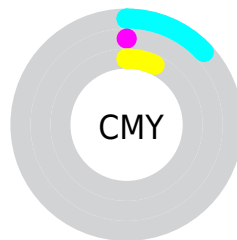
- Red (87%)
- Green (100%)
- Blue (93%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0652, 0.3015, 0.3464 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 93.0652, 0.3015, 0.3464 by changing the saturation by 10% instead.


 93.0652, 0.3015,
0.3464

 93.0652, 0.3015,
0.3464

537.9522, 0.3065,
0.3386

 70.5257, 0.3004,
0.3481


151.5889, 0.3032,
0.3437

 51.9552, 0.2990,
0.3502


188.3418, 0.3039,
0.3427

 36.9694, 0.2974,
0.3529


230.6014, 0.3045,
0.3418

 25.1838, 0.2952,
0.3563

278.7520, 0.3050,
0.3410

 16.2140, 0.2923,
0.3608

333.1780, 0.3054,
0.3403

 9.6757, 0.2884,
0.3670

394.2637, 0.3058,

 5.1845, 0.2825,

0.3397

0.3764

462.3937, 0.3062,
0.3391

■ 2.3559, 0.2729,
0.3918

■ 0.8031, 0.2343,
0.4495

■ 93.0652, 0.3015,
0.3464

■ 93.0652, 0.3015,
0.3464

■ 88.6351, 0.2934,
0.3612

■ 98.1431, 0.3099,
0.3331

■ 84.8437, 0.2860,
0.3774


100.0000, 0.3127,
0.3290


■ 81.6540, 0.2794,
0.3951


■ 79.0328, 0.2741,
0.4138

 76.9437, 0.2704,
0.4334

 75.3457, 0.2685,
0.4533

 74.1917, 0.2687,
0.4729

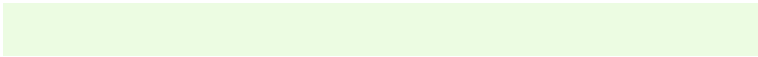
 73.4243, 0.2709,
0.4917

 73.0739, 0.2732,
0.5036

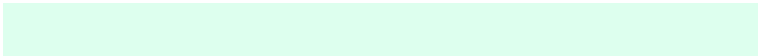
Harmonies

Analogous

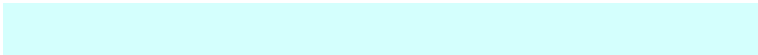
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0652, 0.3179, 0.3559



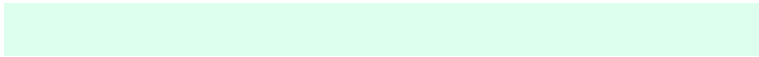
93.0652, 0.3015, 0.3464



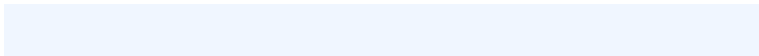
93.0652, 0.2884, 0.3320

Triad

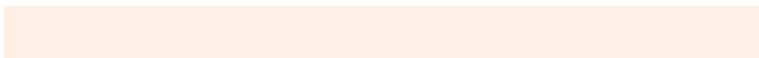
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.0652, 0.3015, 0.3464



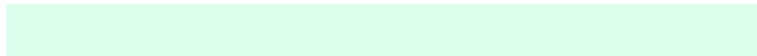
93.0652, 0.2922, 0.3014



93.0652, 0.3448, 0.3395

Complementary

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



93.0652, 0.3015, 0.3464



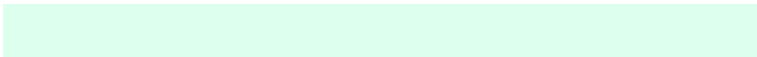
79.1166, 0.3256, 0.3122

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.



93.0652, 0.3375, 0.3254



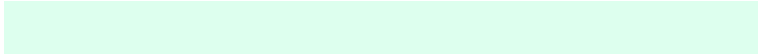
93.0652, 0.3015, 0.3464



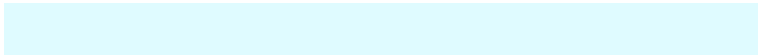
93.0652, 0.3069, 0.3038

Square

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



93.0652, 0.3015, 0.3464



93.0652, 0.2831, 0.3061



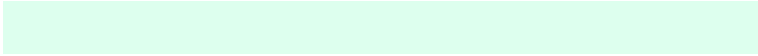
93.0652, 0.3236, 0.3125



93.0652, 0.3431, 0.3514

Rectangle

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



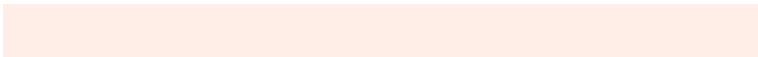
93.0652, 0.3015, 0.3464



93.0652, 0.2831, 0.3218



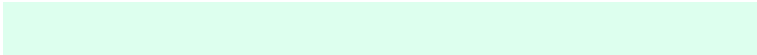
93.0652, 0.3236, 0.3125



93.0652, 0.3433, 0.3349

Sweetspot

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



93.0588, 0.3015, 0.3464



97.7932, 0.3093, 0.3339



94.9109, 0.3218, 0.3633



20.8456, 0.3087, 0.3349



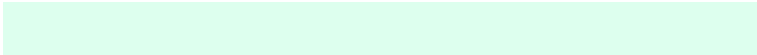
0.0000, 0.0000, 0.0000



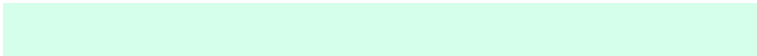
21.4041, 0.3127, 0.3290

Same Dimension

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



93.0588, 0.3015, 0.3464



91.8243, 0.2993, 0.3502



94.1046, 0.2923, 0.3289



20.3201, 0.3047, 0.3411



38.2129, 0.2724, 0.5007



3.7427, 0.2667, 0.4799

Inverse Universe

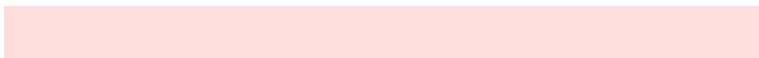
The Inverse Universe completely reimagines the original color for something new.



79.1166, 0.3256, 0.3122



75.4265, 0.3286, 0.3088



78.1654, 0.3373, 0.3291



18.1382, 0.3216, 0.3172



11.9420, 0.4970, 0.2511



1.1848, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 93.0652, 0.3015, 0.3464 looks on a white background.

Color Contrast Check

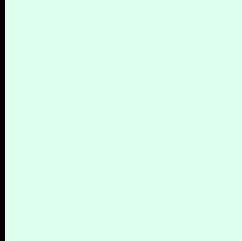
Large Text (above 18pt) WCAG AA × Fail

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 93.0652, 0.3015, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

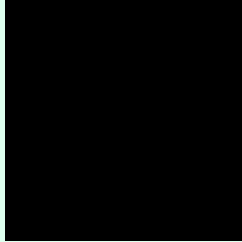
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

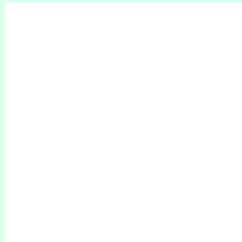
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.0652, 0.3015, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 93.0652, 0.3015, 0.3464.

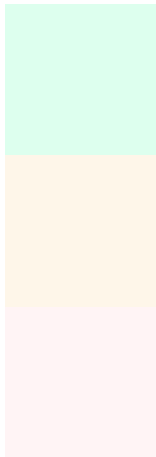


This preview shows how white text looks on a background with the Yxy color 93.0652, 0.3015, 0.3464.

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

93.0652, 0.3015, 0.3464

Protanopia

92.8656, 0.3258, 0.3417

Deuteranopia

92.5539, 0.3193, 0.3281

Tritanopia

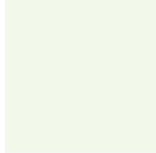
92.8801, 0.3036, 0.3221

Trichromacy



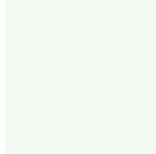
Original Color

93.0652, 0.3015, 0.3464



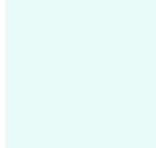
Protanomaly

92.6268, 0.3165, 0.3430



Deuteranomaly

92.6003, 0.3131, 0.3349



Tritanomaly

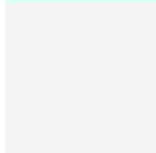
93.1576, 0.3027, 0.3310

Monochromacy



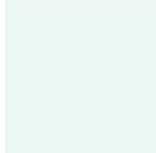
Original Color

93.0652, 0.3015, 0.3464



Achromatopsia

89.6269, 0.3127, 0.3290



Achromatomaly

90.5346, 0.3086, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0652, 0.3015, 0.3464 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(221, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 238)  
}
```

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(221, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 93.0652, 0.3015, 0.3464 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(221, 255, 238) }
```

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

```
.border{ border-color:rgb(221, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0652, 0.3015, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 238) }
```

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

```
.background{ background-color: rgb(221,  
255, 238) }
```

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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