

Converting Colors

$Y_{xy}(100.0000, 0.3036, 0.3714)$

Have a look what the booklet for
Yxy(100.0000, 0.3036, 0.3714)
contains.

Yxy(91.3622, 0.3034, 0.3584)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.3622, 0.3034, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	D6FFE3
RGB	214, 255, 227
RGB Percent	84%, 100%, 89%
CMY	0.1610, 0.0000, 0.1099
CMYK	0.16, 0.00, 0.11, 0.00
HSL	139°, 100%, 92%
HSV	139°, 16%, 100%
XYZ	77.3418, 91.3622, 86.2129
YIQ	239.5490, -15.4480, -17.4000

Conversions

Conversions Part 2

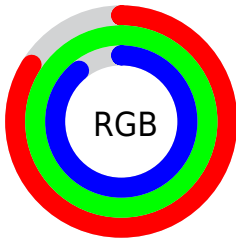
Format	Color
R _Y B	214, 245, 255
Decimal	14090211
CIE Lab	96.56, -18.37, 9.04
CIE LCh	97, 20.475, 153.797
Yxy	91.3622, 0.3034, 0.3584
Android (android.graphics.Color)	4292280291 (0xFFD6FFE3)
YUV	239.5490, -6.1867, -22.4065
Hunter-Lab	95.5836, -22.8374, 13.4311

Details

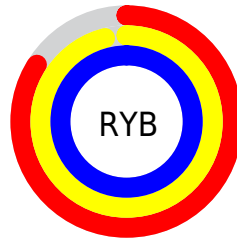
The Yxy color **91.3622, 0.3034, 0.3584** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.7347, 0.3234, 0.3013**, and the grayscale version is **86.8087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7377, 0.3011, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **86.8998, 0.2978, 0.3795**, and if you desaturate by 10%, it is **96.5034, 0.3092, 0.3395**.

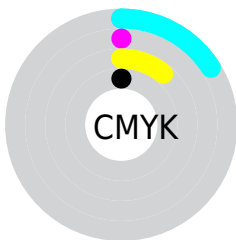
Distribution



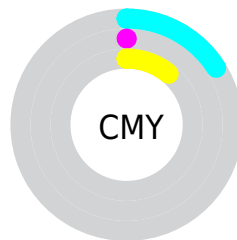
- Red (84%)
- Green (100%)
- Blue (89%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.3622, 0.3034, 0.3584 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 91.3622, 0.3034, 0.3584 by changing the saturation by 10% instead.


 91.3622, 0.3034,
0.3584

 91.3622, 0.3034,
0.3584


532.4521, 0.3077,
0.3450

 69.1110, 0.3024,
0.3614

149.2291, 0.3049,
0.3538

 50.8021, 0.3012,
0.3651

185.6136, 0.3055,
0.3520

 36.0511, 0.2997,
0.3697


227.4780, 0.3060,
0.3505

 24.4737, 0.2978,
0.3757

275.2067, 0.3064,
0.3491

 15.6854, 0.2951,
0.3837

329.1840, 0.3068,
0.3479

 9.3018, 0.2913,
0.3950

389.7945, 0.3071,

 4.9386, 0.2854,

0.3468

0.4121

457.4224, 0.3074,
0.3459

■ 2.2113, 0.2752,
0.4411

■ 0.7261, 0.2146,
0.6447

■ 91.3622, 0.3034,
0.3584

■ 91.3622, 0.3034,
0.3584

■ 86.8998, 0.2978,
0.3795

■ 96.5034, 0.3092,
0.3395

■ 83.1139, 0.2927,
0.4028

100.0000, 0.3127,
0.3290

■ 79.9617, 0.2883,
0.4279

■ 77.4075, 0.2849,
0.4543

■ 75.4115, 0.2830,
0.4810

■ 73.9289, 0.2827,
0.5069

■ 72.9078, 0.2841,
0.5308

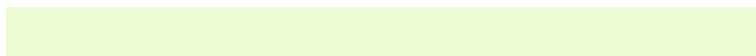
■ 72.2842, 0.2872,
0.5515

■ 72.1131, 0.2885,
0.5587

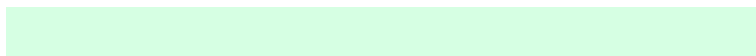
Harmonies

Analogous

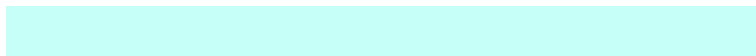
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3622, 0.3264, 0.3687



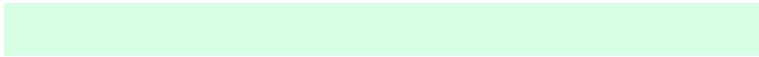
91.3622, 0.3034, 0.3584



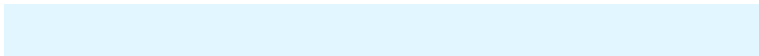
91.3622, 0.2835, 0.3393

Triad

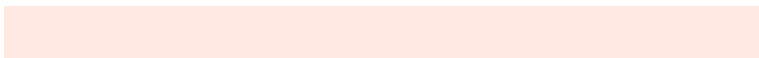
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.3622, 0.3034, 0.3584



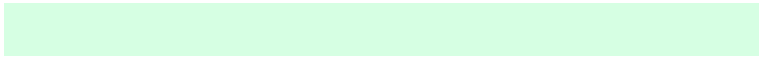
91.3622, 0.2795, 0.2917



91.3622, 0.3558, 0.3376

Complementary

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



91.3622, 0.3034, 0.3584



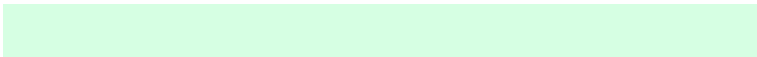
75.7347, 0.3234, 0.3013

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.



91.3622, 0.3424, 0.3183



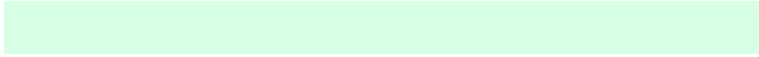
91.3622, 0.3034, 0.3584



91.3622, 0.2979, 0.2924

Square

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



91.3622, 0.3034, 0.3584



91.3622, 0.2700, 0.3006



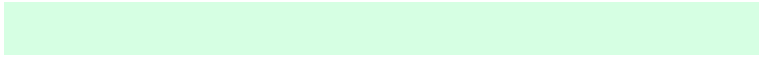
91.3622, 0.3209, 0.3020



91.3622, 0.3572, 0.3555

Rectangle

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



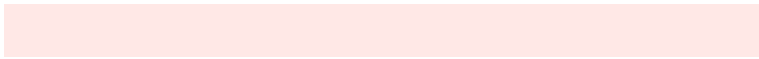
91.3622, 0.3034, 0.3584



91.3622, 0.2743, 0.3248



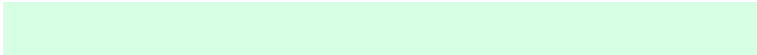
91.3622, 0.3209, 0.3020



91.3622, 0.3526, 0.3311

Sweetspot

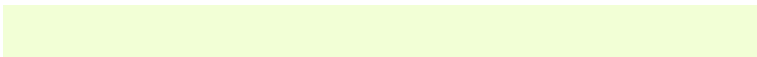
The Sweet Spot groups the original color and five complimentary colors.



91.3528, 0.3034, 0.3584



97.1136, 0.3098, 0.3375



95.2494, 0.3285, 0.3702



20.7026, 0.3094, 0.3388



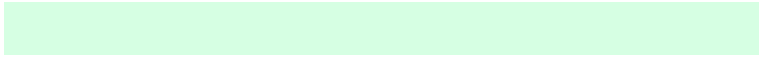
0.0000, 0.0000, 0.0000



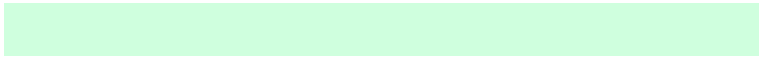
21.4041, 0.3127, 0.3290

Same Dimension

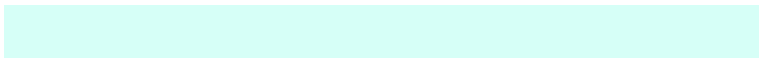
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3528, 0.3034, 0.3584



89.9907, 0.3018, 0.3643



92.5527, 0.2922, 0.3367



20.2632, 0.3072, 0.3457



37.7045, 0.2877, 0.5557



3.6900, 0.2815, 0.5332

Inverse Universe

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



75.7347, 0.3234, 0.3013



71.9367, 0.3257, 0.2961



74.5714, 0.3379, 0.3215



18.1965, 0.3187, 0.3129



12.7353, 0.4215, 0.2096



1.2599, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 91.3622, 0.3034, 0.3584 looks on a white background.

Color Contrast Check

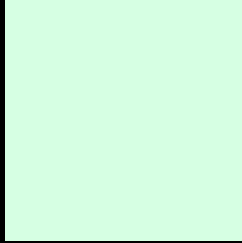
Large Text (above 18pt) WCAG AA × Fail

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 91.3622, 0.3034, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

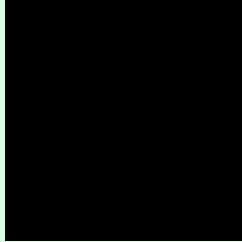
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

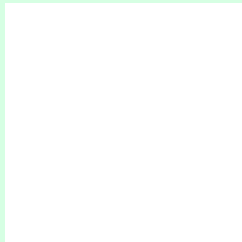
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.3622, 0.3034, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 91.3622, 0.3034, 0.3584.

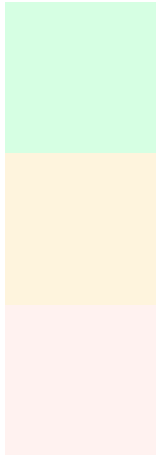


This preview shows how white text looks on a background with the Yxy color 91.3622, 0.3034, 0.3584.

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

91.3622, 0.3034, 0.3584

Protanopia

90.9927, 0.3335, 0.3517

Deuteranopia

91.0555, 0.3225, 0.3310



Tritanopia

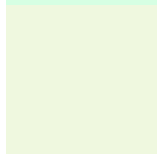
90.7937, 0.3006, 0.3200

Trichromacy



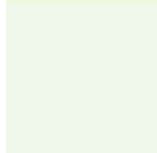
Original Color

91.3622, 0.3034, 0.3584



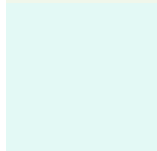
Protanomaly

90.8132, 0.3218, 0.3543



Deuteranomaly

91.0450, 0.3154, 0.3410



Tritanomaly

90.6748, 0.3013, 0.3330

Monochromacy



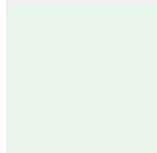
Original Color

91.3622, 0.3034, 0.3584



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.2919, 0.3097, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.3622, 0.3034, 0.3584 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(214, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 227)  
}
```

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(214, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 91.3622, 0.3034, 0.3584 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(214, 255, 227) }
```

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

```
.border{ border-color:rgb(214, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 91.3622, 0.3034, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 227) }
```

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

```
.background{ background-color: rgb(214,  
255, 227) }
```

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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