

Converting Colors

$Y_{xy}(65.6345, 0.2594, 0.3604)$

Have a look what the booklet for
Yxy(65.6345, 0.2594, 0.3604)
contains.

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Color

Yxy(65.4387, 0.2595, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	75E7CF
RGB	117, 231, 207
RGB Percent	46%, 91%, 81%
CMY	0.5413, 0.0941, 0.1883
CMYK	0.49, 0.00, 0.10, 0.09
HSL	167°, 70%, 68%
HSV	167°, 49%, 91%
XYZ	47.1704, 65.4387, 69.1651
YIQ	194.1780, -60.2400, -31.6320

Conversions

Conversions Part 2

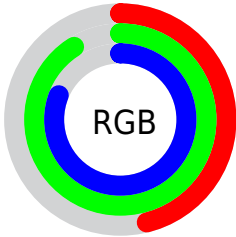
Format	Color
RYB	117, 181, 231
Decimal	7727055
CIELab	84.71, -38.23, 1.71
CIELCh	85, 38.265, 177.436
Yxy	65.4387, 0.2595, 0.3600
Android (android.graphics.Color)	4285917135 (0xFF75E7CF)
YUV	194.1780, 6.3212, -67.6851
Hunter-Lab	80.8942, -37.4793, 5.9326

Details

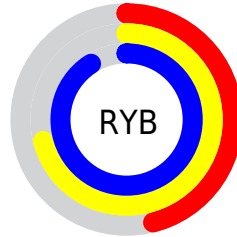
The Yxy color **65.4387, 0.2595, 0.3600** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.6314, 0.4213, 0.3020**, and the grayscale version is **54.0459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **33.7721, 0.2466, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **63.7997, 0.2526, 0.3675**, and if you desaturate by 10%, it is **67.4850, 0.2681, 0.3528**.

Distribution



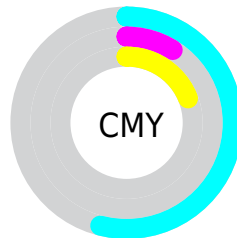
- Red (46%)
- Green (91%)
- Blue (81%)



- Red (46%)
- Yellow (71%)
- Blue (91%)



- Cyan (49%)
- Magenta (0%)
- Yellow (10%)
- Black (9%)




- Cyan (54%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4387, 0.2595, 0.3600 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 65.4387, 0.2595, 0.3600 by changing the saturation by 10% instead.

 65.4387, 0.2595,
0.3600


 65.4387, 0.2595,
0.3600


444.3668, 0.2845,
0.3453


 47.8169, 0.2537,
0.3634


 112.6803, 0.2683,
0.3548

 33.6819, 0.2465,
0.3677


 143.0690, 0.2716,
0.3529

 22.6493, 0.2373,
0.3732


 178.4820, 0.2745,
0.3512

 14.3348, 0.2252,
0.3805

219.3038, 0.2771,
0.3497

 8.3539, 0.2086,
0.3906

265.9188, 0.2793,
0.3484

 4.3222, 0.1844,
0.4055

318.7113, 0.2812,

 1.8554, 0.1429,

0.3472

0.4314

378.0659, 0.2830,
0.3462

0.5213, 0.0000,
0.5378

0.0000, 0.0000,
0.0000

65.4387, 0.2595,
0.3600

65.4387, 0.2595,
0.3600

63.7997, 0.2526,
0.3675

67.4850, 0.2681,
0.3528

62.5305, 0.2476,
0.3752

69.9574, 0.2780,
0.3461


61.5999, 0.2446,
0.3830


72.8828, 0.2891,
0.3397

60.9679, 0.2435,
0.3907

76.2837, 0.3011,
0.3339


 60.5704, 0.2441,
0.3984

 80.1811, 0.3135,
0.3287

 60.5479, 0.2442,
0.3989

 84.4835, 0.3259,
0.3239

 84.7706, 0.3227,
0.3192

 85.0655, 0.3196,
0.3145

 85.3682, 0.3165,
0.3098

Harmonies

Analogous

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



65.4387, 0.3017, 0.4001



65.4387, 0.2595, 0.3600



65.4387, 0.2326, 0.3125

Triad

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



65.4387, 0.2595, 0.3600



65.4387, 0.2724, 0.2543



65.4387, 0.4075, 0.3731

Complementary

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



65.4387, 0.2595, 0.3600



31.6314, 0.4213, 0.3020

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.



65.4387, 0.3997, 0.3354



65.4387, 0.2595, 0.3600



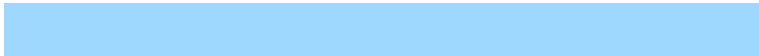
65.4387, 0.3183, 0.2701

Square

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



65.4387, 0.2595, 0.3600



65.4387, 0.2398, 0.2553



65.4387, 0.3659, 0.2989



65.4387, 0.3881, 0.4035

Rectangle

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



65.4387, 0.2595, 0.3600



65.4387, 0.2258, 0.2857



65.4387, 0.3659, 0.2989



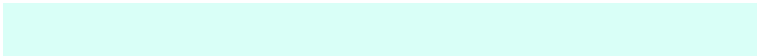
65.4387, 0.4081, 0.3609

Sweetspot

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



65.4413, 0.2595, 0.3600



92.9452, 0.2942, 0.3372



64.1635, 0.3201, 0.4788



19.7060, 0.2916, 0.3384



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.



65.4413, 0.2595, 0.3600



79.8401, 0.2526, 0.3675



50.2596, 0.2400, 0.2864



16.2817, 0.3009, 0.3340



33.9600, 0.2438, 0.3977



2.5226, 0.2407, 0.3864

Inverse Universe

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



31.6314, 0.4213, 0.3020



33.0563, 0.4574, 0.2982



39.8604, 0.4314, 0.3662



14.4174, 0.3259, 0.3241



9.6617, 0.6041, 0.3101



0.7274, 0.5638, 0.2880

Previews

White Background



This preview shows how the Yxy color 65.4387, 0.2595, 0.3600 looks on a white background.

Color Contrast Check

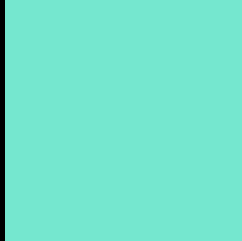
Large Text (above 18pt) WCAG AA × Fail

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 65.4387, 0.2595, 0.3600 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 65.4387, 0.2595, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 65.4387, 0.2595, 0.3600.

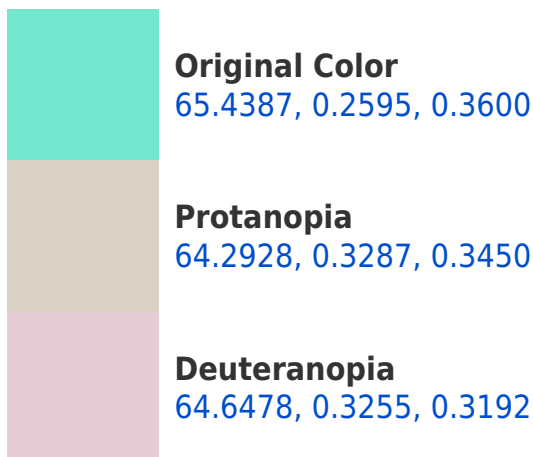


This preview shows how white text looks on a background with the Yxy color 65.4387, 0.2595, 0.3600.

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





Tritanopia

65.5136, 0.2457, 0.3070

Trichromacy



Original Color

65.4387, 0.2595, 0.3600



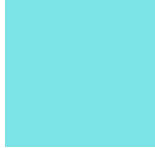
Protanomaly

63.5730, 0.2990, 0.3508



Deuteranomaly

63.4876, 0.2961, 0.3325



Tritanomaly

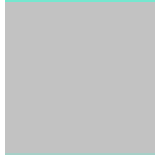
65.5414, 0.2504, 0.3251

Monochromacy



Original Color

65.4387, 0.2595, 0.3600



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.8562, 0.2884, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4387, 0.2595, 0.3600 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(117, 231, 207)` looks like.

```
.text, #text, p{  
    color:rgb(117, 231, 207)  
}
```

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(117, 231, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 231, 207) }
```

Border

The CSS property to change the border of an element to Yxy 65.4387, 0.2595, 0.3600 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(117, 231, 207) }
```

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

```
.border{ border-color:rgb(117, 231, 207) }
```

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

Here you see how a box with a 4 pixel rgb(117, 231, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 231, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 231, 207);  
box-shadow:4px 4px 4px 4px rgb(117, 231,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4387, 0.2595, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 231, 207) }
```

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

```
.background{ background-color: rgb(117,  
231, 207) }
```

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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