

Converting Colors

$Y_{xy}(65.6700, 0.2613, 0.3750)$

Have a look what the booklet for
Yxy(65.6700, 0.2613, 0.3750)
contains.

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Color

Yxy(65.6700, 0.2613, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	6EE9C6
RGB	110, 233, 198
RGB Percent	43%, 91%, 78%
CMY	0.5688, 0.0862, 0.2235
CMYK	0.53, 0.00, 0.15, 0.09
HSL	163°, 74%, 67%
HSV	163°, 53%, 91%
XYZ	45.7589, 65.6700, 63.6911
YIQ	192.2330, -62.0730, -36.9610

Conversions

Conversions Part 2

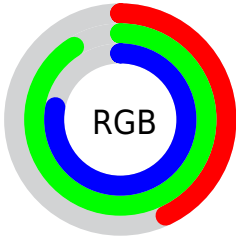
Format	Color
RYB	110, 182, 233
Decimal	7268806
CIELab	84.83, -42.73, 6.58
CIELCh	85, 43.230, 171.249
Yxy	65.6700, 0.2613, 0.3750
Android (android.graphics.Color)	4285458886 (0xFF6EE9C6)
YUV	192.2330, 2.8431, -72.1183
Hunter-Lab	81.0370, -41.0219, 10.1269

Details

The Yxy color **65.6700, 0.2613, 0.3750** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **30.5125, 0.4213, 0.2902**, and the grayscale version is **52.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **33.9934, 0.2488, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **64.0707, 0.2556, 0.3855**, and if you desaturate by 10%, it is **67.6807, 0.2687, 0.3649**.

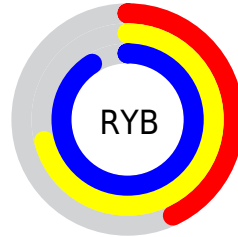
Distribution



Red (43%)

Green (91%)

Blue (78%)



Red (43%)

Yellow (71%)

Blue (91%)

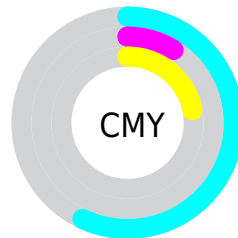


Cyan (53%)

Magenta (0%)

Yellow (15%)

Black (9%)



Cyan (57%)


Magenta (9%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6700, 0.2613, 0.3750 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 65.6700, 0.2613, 0.3750 by changing the saturation by 10% instead.


 65.6700, 0.2613,
0.3750

 65.6700, 0.2613,
0.3750

445.1958, 0.2857,
0.3528

 48.0046, 0.2556,
0.3803


 113.0126, 0.2699,
0.3671

 33.8305, 0.2484,
0.3870


 143.4585, 0.2732,
0.3641

 22.7634, 0.2393,
0.3957


 178.9334, 0.2760,
0.3615

 14.4189, 0.2271,
0.4075

219.8216, 0.2785,
0.3593

 8.4126, 0.2103,
0.4242

266.5075, 0.2806,
0.3573

 4.3601, 0.1856,
0.4497

319.3756, 0.2825,

 1.8770, 0.1372,

0.3556

0.4980

378.8102, 0.2842,
0.3541

■ 0.5345, 0.0000,
0.8140

■ 0.0000, 0.0000,
0.0000

■ 65.6700, 0.2613,
0.3750

■ 65.6700, 0.2613,
0.3750

■ 64.0707, 0.2556,
0.3855

■ 67.6807, 0.2687,
0.3649

■ 62.8433, 0.2519,
0.3963

■ 70.1233, 0.2775,
0.3554


■ 61.9539, 0.2502,
0.4072

■ 73.0260, 0.2874,
0.3465

■ 61.3584, 0.2504,
0.4180

■ 76.4126, 0.2982,
0.3383

 61.0622, 0.2516,
0.4256

 80.3049, 0.3095,
0.3309

 84.7238, 0.3211,
0.3243

 86.0988, 0.3204,
0.3179

 86.5097, 0.3162,
0.3116

 86.7625, 0.3137,
0.3078

Harmonies

Analogous

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



65.6700, 0.3106, 0.4164



65.6700, 0.2613, 0.3750



65.6700, 0.2275, 0.3205

Triad

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



65.6700, 0.2613, 0.3750



65.6700, 0.2583, 0.2444



65.6700, 0.4205, 0.3691

Complementary

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



65.6700, 0.2613, 0.3750



30.5125, 0.4213, 0.2902

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.



65.6700, 0.4052, 0.3268



65.6700, 0.2613, 0.3750



65.6700, 0.3073, 0.2584

Square

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



65.6700, 0.2613, 0.3750



65.6700, 0.2263, 0.2492



65.6700, 0.3622, 0.2877



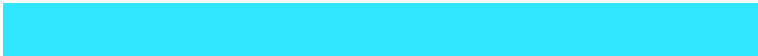
65.6700, 0.4039, 0.4063

Rectangle

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



65.6700, 0.2613, 0.3750



65.6700, 0.2170, 0.2882



65.6700, 0.3622, 0.2877



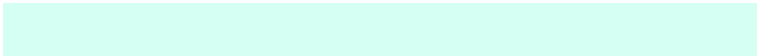
65.6700, 0.4190, 0.3551

Sweetspot

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



65.6726, 0.2613, 0.3750



92.3411, 0.2946, 0.3409



65.5992, 0.3265, 0.4872



19.5790, 0.2923, 0.3426



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.



65.6726, 0.2613, 0.3750



78.5364, 0.2554, 0.3861



54.5031, 0.2385, 0.2969



17.0446, 0.3019, 0.3358



34.6676, 0.2511, 0.4240



2.7386, 0.2470, 0.4091

Inverse Universe

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



30.5125, 0.4213, 0.2902



31.2228, 0.4569, 0.2853



35.6591, 0.4505, 0.3568



15.1245, 0.3248, 0.3223



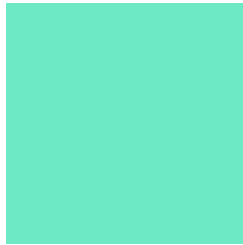
10.0733, 0.5813, 0.2976



0.8070, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 65.6700, 0.2613, 0.3750 looks on a white background.

Color Contrast Check

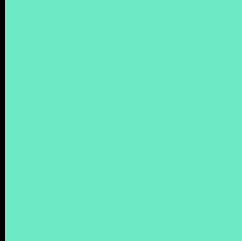
Large Text (above 18pt) WCAG AA × Fail

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 65.6700, 0.2613, 0.3750 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

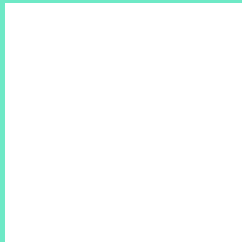
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6700, 0.2613, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 65.6700, 0.2613, 0.3750.



This preview shows how white text looks on a background with the Yxy color 65.6700, 0.2613, 0.3750.

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

65.6700, 0.2613, 0.3750

Protanopia

64.8540, 0.3375, 0.3563

Deuteranopia

64.3951, 0.3354, 0.3280



Tritanopia

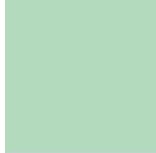
65.3453, 0.2439, 0.3057

Trichromacy



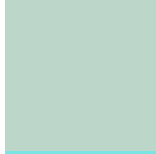
Original Color

65.6700, 0.2613, 0.3750



Protanomaly

63.5638, 0.3040, 0.3634



Deuteranomaly

63.0488, 0.3020, 0.3434



Tritanomaly

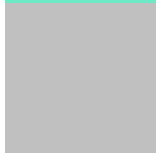
65.6331, 0.2503, 0.3301

Monochromacy



Original Color

65.6700, 0.2613, 0.3750



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.2021, 0.2888, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6700, 0.2613, 0.3750 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(110, 233, 198)` looks like.

```
.text, #text, p{  
    color:rgb(110, 233, 198)  
}
```

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(110, 233, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 233, 198) }
```

Border

The CSS property to change the border of an element to Yxy 65.6700, 0.2613, 0.3750 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(110, 233, 198) }
```

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

```
.border{ border-color:rgb(110, 233, 198) }
```

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

Here you see how a box with a 4 pixel rgb(110, 233, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 233, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 233, 198);  
box-shadow:4px 4px 4px 4px rgb(110, 233,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6700, 0.2613, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 233, 198) }
```

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

```
.background{ background-color: rgb(110,  
233, 198) }
```

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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