

Converting Colors

$Yxy(64.6301, 0.2483, 0.3632)$

Have a look what the booklet for
Yxy(64.6301, 0.2483, 0.3632)
contains.

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Color

Yxy(64.7613, 0.2483, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	56E9CF
RGB	86, 233, 207
RGB Percent	34%, 91%, 81%
CMY	0.6621, 0.0863, 0.1882
CMYK	0.63, 0.00, 0.11, 0.09
HSL	169°, 77%, 63%
HSV	169°, 63%, 91%
XYZ	44.2494, 64.7613, 69.1987
YIQ	186.0830, -79.2660, -39.2500

Conversions

Conversions Part 2

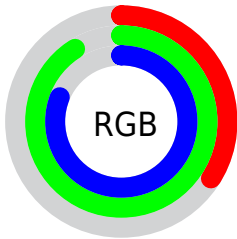
Format	Color
R_{YB}	86, 167, 233
Decimal	5695951
CIE _{Lab}	84.36, -45.07, 1.08
CIE _{LCh}	84, 45.083, 178.624
Yxy	64.7613, 0.2483, 0.3634
Android (android.graphics.Color)	4283886031 (0xFF56E9CF)
YUV	186.0830, 10.3121, -87.7728
Hunter-Lab	80.4744, -42.6808, 5.3495

Details

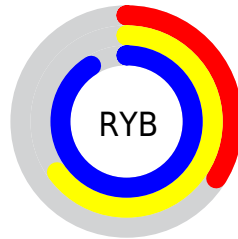
The Yxy color **64.7613, 0.2483, 0.3634** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **25.1760, 0.4794, 0.3027**, and the grayscale version is **49.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **33.3506, 0.2362, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **63.6309, 0.2438, 0.3698**, and if you desaturate by 10%, it is **66.2625, 0.2548, 0.3571**.

Distribution



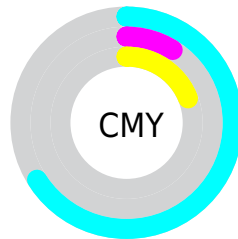
- Red (34%)
- Green (91%)
- Blue (81%)



- Red (34%)
- Yellow (65%)
- Blue (91%)



- Cyan (63%)
- Magenta (0%)
- Yellow (11%)
- Black (9%)





- Cyan (66%)
- Magenta (9%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7613, 0.2483, 0.3634 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 64.7613, 0.2483, 0.3634 by changing the saturation by 10% instead.

 64.7613, 0.2483,
0.3634


 64.7613, 0.2483,
0.3634


441.9337, 0.2785,
0.3472


 47.2676, 0.2413,
0.3672


 111.7066, 0.2589,
0.3577


 33.2472, 0.2327,
0.3719


 141.9270, 0.2629,
0.3555

 22.3159, 0.2216,
0.3779


 177.1583, 0.2665,
0.3536

 14.0892, 0.2072,
0.3858

 217.7850, 0.2695,
0.3520

 8.1827, 0.1875,
0.3966

264.1915, 0.2722,
0.3506

 4.2121, 0.1594,
0.4123

316.7622, 0.2745,

 1.7929, 0.1018,

0.3493

0.4441

375.8815, 0.2767,
0.3482

■ 0.4827, 0.0000,
0.5176

■ 0.0000, 0.0000,
0.0000

■ 64.7613, 0.2483,
0.3634

■ 64.7613, 0.2483,
0.3634

■ 63.6309, 0.2438,
0.3698

■ 66.2625, 0.2548,
0.3571

■ 62.8272, 0.2412,
0.3762


■ 68.1587, 0.2630,
0.3511


■ 62.3087, 0.2405,
0.3826

■ 70.4804, 0.2728,
0.3453


■ 62.0676, 0.2409,
0.3871


■ 73.2534, 0.2839,
0.3399

 76.5011, 0.2960,
0.3349

 80.2456, 0.3088,
0.3303

 84.5073, 0.3219,
0.3262

 85.8238, 0.3232,
0.3222

 86.0717, 0.3206,
0.3182

Harmonies

Analogous

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



64.7613, 0.2968, 0.4129



64.7613, 0.2483, 0.3634



64.7613, 0.2185, 0.3065

Triad

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



64.7613, 0.2483, 0.3634



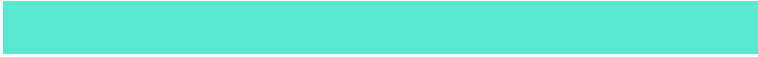
64.7613, 0.2670, 0.2427



64.7613, 0.4242, 0.3809

Complementary

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



64.7613, 0.2483, 0.3634



25.1760, 0.4794, 0.3027

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.



64.7613, 0.4167, 0.3372



64.7613, 0.2483, 0.3634



64.7613, 0.3211, 0.2616

Square

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



64.7613, 0.2483, 0.3634



64.7613, 0.2288, 0.2425



64.7613, 0.3776, 0.2951



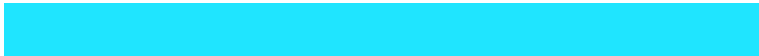
64.7613, 0.3993, 0.4170

Rectangle

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



64.7613, 0.2483, 0.3634



64.7613, 0.2115, 0.2757



64.7613, 0.3776, 0.2951



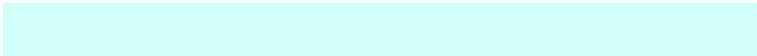
64.7613, 0.4255, 0.3666

Sweetspot

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



64.7638, 0.2483, 0.3634



91.4006, 0.2886, 0.3379



62.4631, 0.3163, 0.5248



19.3275, 0.2852, 0.3393



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.



64.7638, 0.2483, 0.3634



77.7227, 0.2427, 0.3720



43.1949, 0.2223, 0.2651



17.0735, 0.3005, 0.3332



35.2381, 0.2406, 0.3861



2.7790, 0.2381, 0.3772

Inverse Universe

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



25.1760, 0.4794, 0.3027



25.4543, 0.5361, 0.3032



34.6772, 0.4766, 0.3788



15.0976, 0.3265, 0.3249



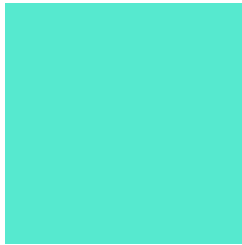
9.9343, 0.6130, 0.3151



0.7926, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 64.7613, 0.2483, 0.3634 looks on a white background.

Color Contrast Check

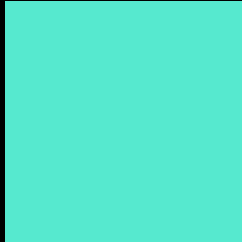
Large Text (above 18pt) WCAG AA × Fail

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 64.7613, 0.2483, 0.3634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

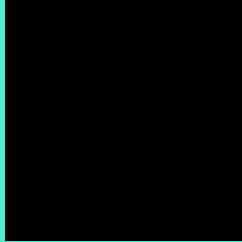
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

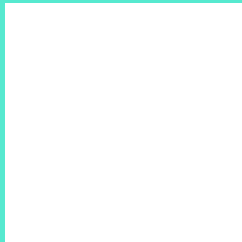
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7613, 0.2483, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 64.7613, 0.2483, 0.3634.



This preview shows how white text looks on a background with the Yxy color 64.7613, 0.2483, 0.3634.

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

64.7613, 0.2483, 0.3634

Protanopia

63.5609, 0.3295, 0.3462

Deuteranopia

63.4270, 0.3234, 0.3159



Tritanopia

64.4168, 0.2350, 0.3053

Trichromacy



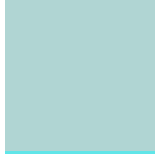
Original Color

64.7613, 0.2483, 0.3634



Protanomaly

62.1379, 0.2915, 0.3526



Deuteranomaly

61.5218, 0.2879, 0.3314



Tritanomaly

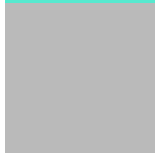
64.3516, 0.2394, 0.3250

Monochromacy



Original Color

64.7613, 0.2483, 0.3634



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.0909, 0.2804, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7613, 0.2483, 0.3634 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(86, 233, 207)` looks like.

```
.text, #text, p{  
    color:rgb(86, 233, 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(86, 233, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 233, 207) }
```

Border

The CSS property to change the border of an element to Yxy 64.7613, 0.2483, 0.3634 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(86, 233, 207) }
```

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

```
.border{ border-color:rgb(86, 233, 207) }
```

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

Here you see how a box with a 4 pixel rgb(86, 233, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 233, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 233, 207);  
box-shadow:4px 4px 4px 4px rgb(86, 233,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7613, 0.2483, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 233, 207) }
```

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

```
.background{ background-color: rgb(86, 233,  
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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