

Converting Colors

$Yxy(66.8702, 0.2485, 0.3718)$

Have a look what the booklet for
Yxy(66.8702, 0.2485, 0.3718)
contains.

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Color

Yxy(66.6816, 0.2484, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	50EDCD
RGB	80, 237, 205
RGB Percent	31%, 93%, 80%
CMY	0.6866, 0.0706, 0.1959
CMYK	0.66, 0.00, 0.13, 0.07
HSL	168°, 81%, 62%
HSV	168°, 66%, 93%
XYZ	44.6100, 66.6816, 68.2979
YIQ	186.4090, -83.3000, -43.2360

Conversions

Conversions Part 2

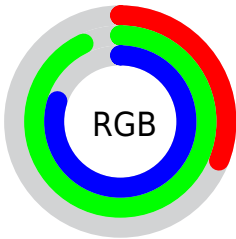
Format	Color
RYB	80, 167, 237
Decimal	5303757
CIELab	85.34, -48.25, 3.53
CIELCh	85, 48.383, 175.821
Yxy	66.6816, 0.2484, 0.3713
Android (android.graphics.Color)	4283493837 (0xFF50EDCD)
YUV	186.4090, 9.1654, -93.3207
Hunter-Lab	81.6588, -45.3887, 7.5721

Details

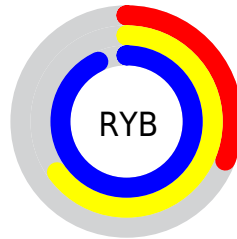
The Yxy color **66.6816, 0.2484, 0.3713** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **24.9000, 0.4871, 0.2980**, and the grayscale version is **49.3180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **34.8769, 0.2391, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **65.5997, 0.2447, 0.3788**, and if you desaturate by 10%, it is **68.1394, 0.2541, 0.3639**.

Distribution



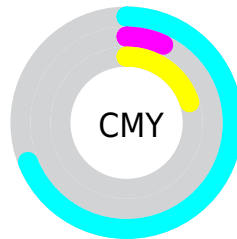
- Red (31%)
- Green (93%)
- Blue (80%)



- Red (31%)
- Yellow (65%)
- Blue (93%)



- Cyan (66%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)





- Cyan (69%)
- Magenta (7%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6816, 0.2484, 0.3713 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 66.6816, 0.2484, 0.3713 by changing the saturation by 10% instead.

 66.6816, 0.2484,
0.3713


 66.6816, 0.2484,
0.3713


448.8106, 0.2786,
0.3512


 48.8259, 0.2414,
0.3760


 114.4641, 0.2589,
0.3642


 34.4814, 0.2328,
0.3819


 145.1596, 0.2630,
0.3615

 23.2637, 0.2218,
0.3895


 180.9039, 0.2665,
0.3592

 14.7883, 0.2075,
0.3996

 222.0814, 0.2696,
0.3571

 8.6710, 0.1879,
0.4135

269.0764, 0.2722,
0.3554

 4.5272, 0.1600,
0.4341

322.2733, 0.2746,

 1.9726, 0.1048,

0.3538

382.0566, 0.2767,
0.3524

0.4738

0.5915, 0.0000,
0.5981

0.0000, 0.0000,
0.0000

66.6816, 0.2484,
0.3713

66.6816, 0.2484,
0.3713

65.5997, 0.2447,
0.3788

68.1394, 0.2541,
0.3639

64.8456, 0.2430,
0.3863


69.9997, 0.2615,
0.3568

64.3717, 0.2431,
0.3937


72.2958, 0.2706,
0.3500


64.2364, 0.2435,
0.3965

75.0550, 0.2811,
0.3436

 78.3026, 0.2926,
0.3376

 82.0621, 0.3048,
0.3322

 86.3553, 0.3175,
0.3272

 88.3415, 0.3206,
0.3226

 88.6378, 0.3176,
0.3179

Harmonies

Analogous

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



66.6816, 0.3008, 0.4223



66.6816, 0.2484, 0.3713



66.6816, 0.2150, 0.3100

Triad

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



66.6816, 0.2484, 0.3713



66.6816, 0.2596, 0.2371



66.6816, 0.4318, 0.3791

Complementary

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



66.6816, 0.2484, 0.3713



24.9000, 0.4871, 0.2980

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.



66.6816, 0.4207, 0.3328



66.6816, 0.2484, 0.3713



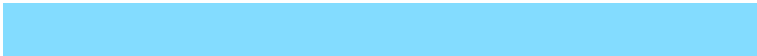
66.6816, 0.3157, 0.2553

Square

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



66.6816, 0.2484, 0.3713



66.6816, 0.2214, 0.2386



66.6816, 0.3764, 0.2892



66.6816, 0.4080, 0.4190

Rectangle

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



66.6816, 0.2484, 0.3713



66.6816, 0.2062, 0.2761



66.6816, 0.3764, 0.2892



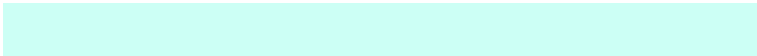
66.6816, 0.4322, 0.3638

Sweetspot

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



66.6842, 0.2484, 0.3713



90.9267, 0.2881, 0.3398



64.7254, 0.3184, 0.5331



19.2313, 0.2848, 0.3415



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.



66.6842, 0.2484, 0.3713



77.0522, 0.2438, 0.3818



45.7368, 0.2205, 0.2686



17.0663, 0.3008, 0.3338



35.0878, 0.2431, 0.3953



2.7685, 0.2403, 0.3850

Inverse Universe

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



24.9000, 0.4871, 0.2980



24.4095, 0.5452, 0.2998



33.1079, 0.4936, 0.3745



15.1042, 0.3261, 0.3242



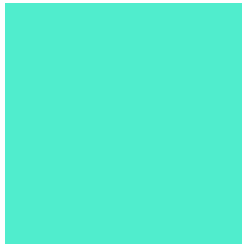
9.9624, 0.6062, 0.3113



0.7958, 0.5687, 0.2907

Previews

White Background



This preview shows how the Yxy color 66.6816, 0.2484, 0.3713 looks on a white background.

Color Contrast Check

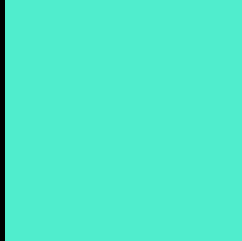
Large Text (above 18pt) WCAG AA × Fail

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 66.6816, 0.2484, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

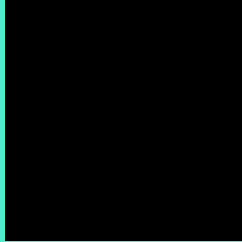
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

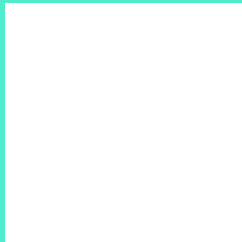
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6816, 0.2484, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 66.6816, 0.2484, 0.3713.

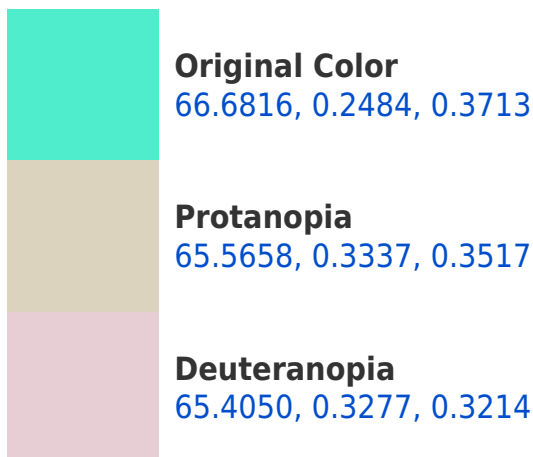


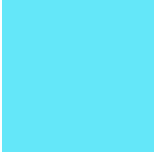
This preview shows how white text looks on a background with the Yxy color 66.6816, 0.2484, 0.3713.

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

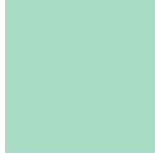
66.7007, 0.2342, 0.3067

Trichromacy



Original Color

66.6816, 0.2484, 0.3713



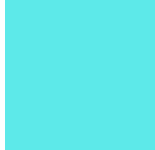
Protanomaly

63.6069, 0.2928, 0.3588



Deuteranomaly

63.4593, 0.2894, 0.3386



Tritanomaly

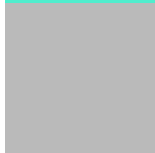
66.4882, 0.2391, 0.3288

Monochromacy



Original Color

66.6816, 0.2484, 0.3713



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.7159, 0.2793, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6816, 0.2484, 0.3713 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(80, 237, 205)` looks like.

```
.text, #text, p{  
  color:rgb(80, 237, 205)  
}
```

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(80, 237, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 237, 205) }
```

Border

The CSS property to change the border of an element to Yxy 66.6816, 0.2484, 0.3713 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(80, 237, 205) }
```

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

```
.border{ border-color:rgb(80, 237, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 237, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 237, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 237, 205);  
box-shadow:4px 4px 4px 4px rgb(80, 237,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6816, 0.2484, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 237, 205) }
```

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

```
.background{ background-color: rgb(80, 237,  
205) }
```

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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