

Converting Colors

$Yxy(67.5106, 0.2619, 0.3860)$

Have a look what the booklet for
Yxy(67.5106, 0.2619, 0.3860)
contains.

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Color

Yxy(67.4065, 0.2617, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	68EDC2
RGB	104, 237, 194
RGB Percent	41%, 93%, 76%
CMY	0.5918, 0.0706, 0.2393
CMYK	0.56, 0.00, 0.18, 0.07
HSL	161°, 79%, 67%
HSV	161°, 56%, 93%
XYZ	45.7358, 67.4065, 61.6218
YIQ	192.3310, -65.4650, -41.5690

Conversions

Conversions Part 2

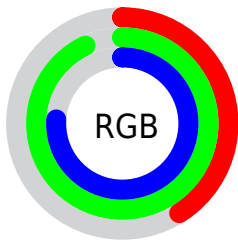
Format	Color
RYB	104, 183, 237
Decimal	6876610
CIELab	85.71, -46.59, 9.93
CIELCh	86, 47.636, 167.971
Yxy	67.4065, 0.2617, 0.3857
Android (android.graphics.Color)	4285066690 (0xFF68EDC2)
YUV	192.3310, 0.8228, -77.4663
Hunter-Lab	82.1015, -44.2417, 12.9705

Details

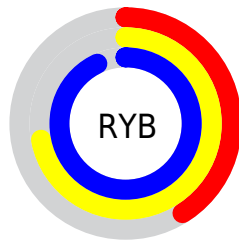
The Yxy color **67.4065, 0.2617, 0.3857** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **30.0337, 0.4250, 0.2826**, and the grayscale version is **52.9533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3775, 0.2642, 0.3333**, and **34.8273, 0.2490, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **65.8473, 0.2570, 0.3980**, and if you desaturate by 10%, it is **69.3873, 0.2682, 0.3739**.

Distribution



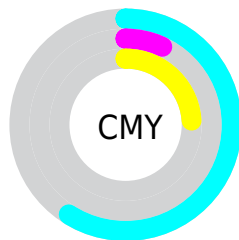
- Red (41%)
- Green (93%)
- Blue (76%)



- Red (41%)
- Yellow (72%)
- Blue (93%)



- Cyan (56%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)





- Cyan (59%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4065, 0.2617, 0.3857 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 67.4065, 0.2617, 0.3857 by changing the saturation by 10% instead.


 67.4065, 0.2617,
0.3857

 67.4065, 0.2617,
0.3857


451.3903, 0.2860,
0.3581


 49.4150, 0.2560,
0.3923

 115.5027, 0.2703,
0.3759

 34.9488, 0.2488,
0.4007

 146.3762, 0.2736,
0.3721

 23.6235, 0.2397,
0.4117


 182.3126, 0.2764,
0.3689

 15.0545, 0.2275,
0.4264

223.6961, 0.2788,
0.3662

 8.8577, 0.2105,
0.4475

270.9113, 0.2810,
0.3638

 4.6485, 0.1855,
0.4799

324.3424, 0.2828,

 2.0425, 0.1365,

0.3617

0.5407

384.3740, 0.2845,
0.3598

0.6320, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.4065, 0.2617,
0.3857

67.4065, 0.2617,
0.3857

65.8473, 0.2570,
0.3980

69.3873, 0.2682,
0.3739

64.6673, 0.2542,
0.4105


71.8124, 0.2762,
0.3627


63.8286, 0.2535,
0.4230

74.7122, 0.2854,
0.3522

63.2812, 0.2548,
0.4353

78.1119, 0.2954,
0.3426

 63.1144, 0.2556,
0.4401

 82.0351, 0.3061,
0.3339

 86.5039, 0.3170,
0.3260

 88.5841, 0.3181,
0.3187

 89.0467, 0.3135,
0.3117

Harmonies

Analogous

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



67.4065, 0.3163, 0.4283



67.4065, 0.2617, 0.3857



67.4065, 0.2231, 0.3256

Triad

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



67.4065, 0.2617, 0.3857



67.4065, 0.2487, 0.2370



67.4065, 0.4303, 0.3667

Complementary

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



67.4065, 0.2617, 0.3857



30.0337, 0.4250, 0.2826

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.



67.4065, 0.4100, 0.3211



67.4065, 0.2617, 0.3857



67.4065, 0.3001, 0.2502

Square

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



67.4065, 0.2617, 0.3857



67.4065, 0.2167, 0.2442



67.4065, 0.3603, 0.2800



67.4065, 0.4153, 0.4086

Rectangle

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



67.4065, 0.2617, 0.3857



67.4065, 0.2101, 0.2892



67.4065, 0.3603, 0.2800



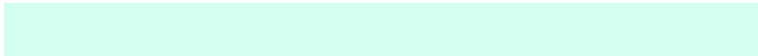
67.4065, 0.4275, 0.3515

Sweetspot

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



67.4092, 0.2617, 0.3857



91.8140, 0.2944, 0.3435



67.9009, 0.3294, 0.4963



19.4708, 0.2923, 0.3454



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.



67.4092, 0.2617, 0.3857



77.5674, 0.2566, 0.3994



57.5856, 0.2361, 0.3004



17.0341, 0.3024, 0.3367



34.4841, 0.2550, 0.4381



2.7253, 0.2503, 0.4211

Inverse Universe

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



30.0337, 0.4250, 0.2826



29.5015, 0.4619, 0.2775



33.9895, 0.4668, 0.3532



15.1344, 0.3242, 0.3214



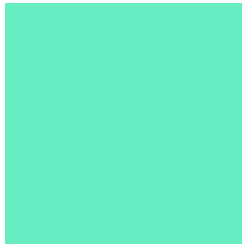
10.1415, 0.5673, 0.2899



0.8134, 0.5282, 0.2683

Previews

White Background



This preview shows how the Yxy color 67.4065, 0.2617, 0.3857 looks on a white background.

Color Contrast Check

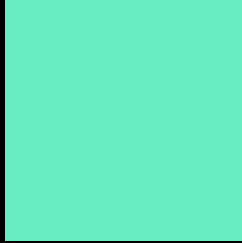
Large Text (above 18pt) WCAG AA × Fail

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 67.4065, 0.2617, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

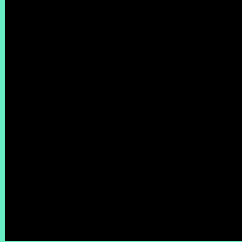
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4065, 0.2617, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 67.4065, 0.2617, 0.3857.

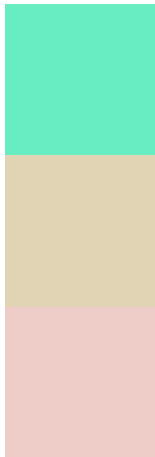


This preview shows how white text looks on a background with the Yxy color 67.4065, 0.2617, 0.3857.

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

67.4065, 0.2617, 0.3857

Protanopia

66.2705, 0.3439, 0.3639

Deuteranopia

66.0568, 0.3414, 0.3334



Tritanopia

67.5085, 0.2423, 0.3071

Trichromacy



Original Color

67.4065, 0.2617, 0.3857



Protanomaly

64.9614, 0.3065, 0.3719



Deuteranomaly

64.5217, 0.3052, 0.3517



Tritanomaly

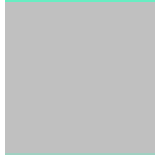
67.5241, 0.2492, 0.3351

Monochromacy



Original Color

67.4065, 0.2617, 0.3857



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.4356, 0.2881, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4065, 0.2617, 0.3857 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(104, 237, 194)` looks like.

```
.text, #text, p{  
    color:rgb(104, 237, 194)  
}
```

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(104, 237, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 237, 194) }
```

Border

The CSS property to change the border of an element to Yxy 67.4065, 0.2617, 0.3857 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(104, 237, 194) }
```

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

```
.border{ border-color:rgb(104, 237, 194) }
```

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

Here you see how a box with a 4 pixel rgb(104, 237, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 237, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 237, 194);  
box-shadow:4px 4px 4px 4px rgb(104, 237,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4065, 0.2617, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 237, 194) }
```

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

```
.background{ background-color: rgb(104,  
237, 194) }
```

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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