

Converting Colors

$Yxy(66.3374, 0.2431, 0.3513)$

Have a look what the booklet for
Yxy(66.3374, 0.2431, 0.3513)
contains.

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Color

Yxy(66.3176, 0.2431, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	53EBDA
RGB	83, 235, 218
RGB Percent	33%, 92%, 85%
CMY	0.6743, 0.0784, 0.1452
CMYK	0.65, 0.00, 0.07, 0.08
HSL	173°, 79%, 62%
HSV	173°, 65%, 92%
XYZ	45.9311, 66.3176, 76.6904
YIQ	187.6140, -85.1350, -37.5110

Conversions

Conversions Part 2

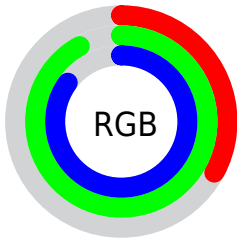
Format	Color
R _Y B	83, 164, 235
Decimal	5499866
CIE Lab	85.16, -43.66, -3.54
CIE LCh	85, 43.802, 184.631
Yxy	66.3176, 0.2431, 0.3510
Android (android.graphics.Color)	4283689946 (0xFF53EBDA)
YUV	187.6140, 14.9803, -91.7465
Hunter-Lab	81.4356, -41.8353, 1.1698

Details

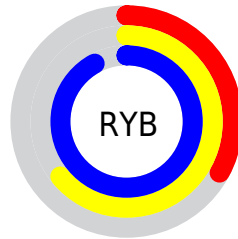
The Yxy color **66.3176, 0.2431, 0.3510** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.7801, 0.5007, 0.3128**, and the grayscale version is **50.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **34.4851, 0.2320, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **65.2886, 0.2384, 0.3549**, and if you desaturate by 10%, it is **67.7160, 0.2497, 0.3471**.

Distribution



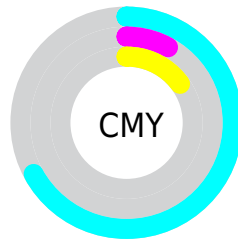
- Red (33%)
- Green (92%)
- Blue (85%)



- Red (33%)
- Yellow (64%)
- Blue (92%)



- Cyan (65%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)





- Cyan (67%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3176, 0.2431, 0.3510 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 66.3176, 0.2431, 0.3510 by changing the saturation by 10% instead.


 66.3176, 0.2431,
0.3510


 66.3176, 0.2431,
0.3510

447.5119, 0.2754,
0.3411


 48.5303, 0.2358,
0.3532


 113.9421, 0.2543,
0.3476

 34.2470, 0.2267,
0.3558


 144.5480, 0.2586,
0.3463

 23.0834, 0.2153,
0.3590

 180.1955, 0.2624,
0.3452

 14.6551, 0.2005,
0.3631

 221.2691, 0.2657,
0.3442

 8.5777, 0.1806,
0.3683

268.1532, 0.2685,
0.3433

 4.4668, 0.1527,
0.3749

321.2320, 0.2711,

 1.9379, 0.1054,

0.3425

0.3859

380.8901, 0.2733,
0.3418

■ 0.5710, 0.0000,
0.3965

■ 0.0000, 0.0000,
0.0000

■ 66.3176, 0.2431,
0.3510

■ 66.3176, 0.2431,
0.3510

■ 65.2886, 0.2384,
0.3549

■ 67.7160, 0.2497,
0.3471

■ 64.5832, 0.2356,
0.3588


■ 69.5092, 0.2582,
0.3434


■ 64.1568, 0.2347,
0.3627

■ 71.7290, 0.2684,
0.3398


■ 64.0047, 0.2347,
0.3648

■ 74.4019, 0.2800,
0.3364

 77.5522, 0.2927,
0.3332

 81.2026, 0.3062,
0.3303

 85.3743, 0.3203,
0.3276

 86.9124, 0.3237,
0.3251

 87.0692, 0.3220,
0.3225

Harmonies

Analogous

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



66.3176, 0.2871, 0.4019



66.3176, 0.2431, 0.3510



66.3176, 0.2185, 0.2978

Triad

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



66.3176, 0.2431, 0.3510



66.3176, 0.2782, 0.2478



66.3176, 0.4178, 0.3874

Complementary

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



66.3176, 0.2431, 0.3510



24.7801, 0.5007, 0.3128

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.



66.3176, 0.4170, 0.3458



66.3176, 0.2431, 0.3510



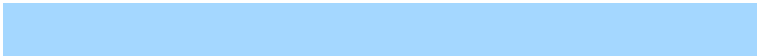
66.3176, 0.3322, 0.2693

Square

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



66.3176, 0.2431, 0.3510



66.3176, 0.2374, 0.2438



66.3176, 0.3847, 0.3040



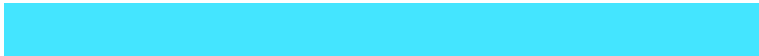
66.3176, 0.3887, 0.4191

Rectangle

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



66.3176, 0.2431, 0.3510



66.3176, 0.2147, 0.2704



66.3176, 0.3847, 0.3040



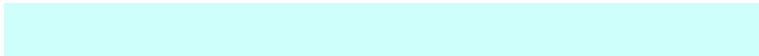
66.3176, 0.4212, 0.3740

Sweetspot

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



66.3202, 0.2431, 0.3510



91.5959, 0.2869, 0.3346



62.7977, 0.3108, 0.5331



19.3753, 0.2833, 0.3355



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.



66.3202, 0.2431, 0.3510



78.2302, 0.2372, 0.3564



39.1887, 0.2170, 0.2484



17.0911, 0.2996, 0.3316



35.6328, 0.2345, 0.3641



2.8063, 0.2330, 0.3588

Inverse Universe

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



24.7801, 0.5007, 0.3128



24.6537, 0.5617, 0.3144



37.4278, 0.4736, 0.3905



15.0815, 0.3275, 0.3264



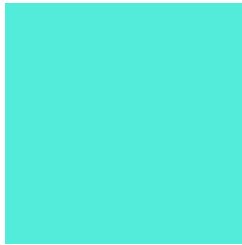
9.8813, 0.6263, 0.3224



0.7850, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 66.3176, 0.2431, 0.3510 looks on a white background.

Color Contrast Check

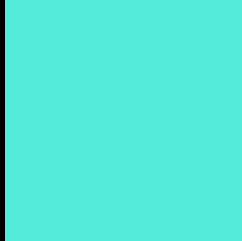
Large Text (above 18pt) WCAG AA × Fail

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 66.3176, 0.2431, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

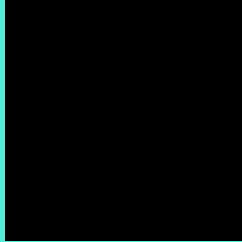
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

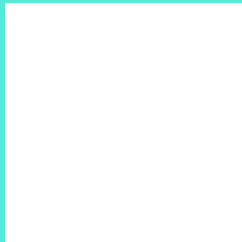
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.3176, 0.2431, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 66.3176, 0.2431, 0.3510.

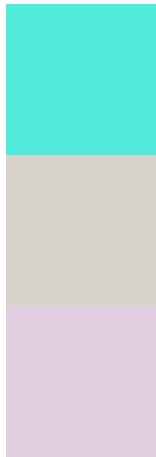


This preview shows how white text looks on a background with the Yxy color 66.3176, 0.2431, 0.3510.

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

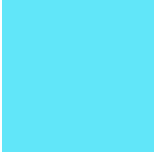
66.3176, 0.2431, 0.3510

Protanopia

65.0517, 0.3214, 0.3358

Deuteranopia

65.0520, 0.3144, 0.3083



Tritanopia

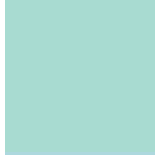
65.9746, 0.2330, 0.3054

Trichromacy



Original Color

66.3176, 0.2431, 0.3510



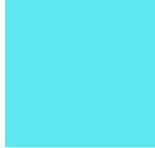
Protanomaly

63.5913, 0.2843, 0.3412



Deuteranomaly

63.2699, 0.2795, 0.3217



Tritanomaly

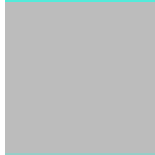
66.1616, 0.2365, 0.3212

Monochromacy



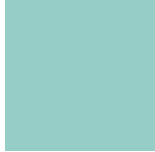
Original Color

66.3176, 0.2431, 0.3510



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.2702, 0.2775, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3176, 0.2431, 0.3510 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(83, 235, 218)` looks like.

```
.text, #text, p{  
    color:rgb(83, 235, 218)  
}
```

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(83, 235, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 235, 218) }
```

Border

The CSS property to change the border of an element to Yxy 66.3176, 0.2431, 0.3510 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(83, 235, 218) }
```

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

```
.border{ border-color:rgb(83, 235, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 235, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 235, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 235, 218);  
box-shadow:4px 4px 4px 4px rgb(83, 235,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3176, 0.2431, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 235, 218) }
```

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

```
.background{ background-color: rgb(83, 235,  
218) }
```

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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