

Converting Colors

$Yxy(66.6493, 0.2278, 0.3216)$

Have a look what the booklet for
Yxy(66.6493, 0.2278, 0.3216)
contains.

Yxy(66.6083, 0.2276, 0.3211)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6083, 0.2276, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	38EBF1
RGB	56, 235, 241
RGB Percent	22%, 92%, 95%
CMY	0.7811, 0.0784, 0.0547
CMYK	0.77, 0.03, 0.00, 0.05
HSL	182°, 87%, 58%
HSV	182°, 77%, 95%
XYZ	47.2129, 66.6083, 93.6167
YIQ	182.1630, -108.6100, -36.0820

Conversions

Conversions Part 2

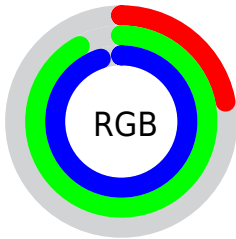
Format	Color
RYB	56, 147, 241
Decimal	3730417
CIELab	85.31, -40.68, -15.51
CIELCh	85, 43.537, 200.875
Yxy	66.6083, 0.2276, 0.3211
Android (android.graphics.Color)	4281920497 (0xFF38EBF1)
YUV	182.1630, 29.0066, -110.6450
Hunter-Lab	81.6139, -39.5638, -10.8799

Details

The Yxy color **66.6083, 0.2276, 0.3211** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.4205, 0.5766, 0.3339**, and the grayscale version is **46.7303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **35.7430, 0.2219, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **65.6294, 0.2241, 0.3200**, and if you desaturate by 10%, it is **67.9277, 0.2330, 0.3222**.

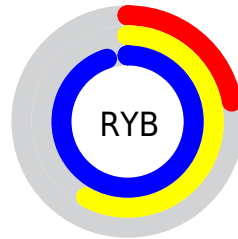
Distribution



Red (22%)

Green (92%)

Blue (95%)



Red (22%)

Yellow (58%)

Blue (95%)

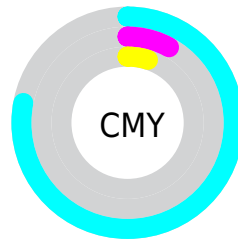


Cyan (77%)

Magenta (3%)

Yellow (0%)

Black (5%)



Cyan (78%)


Magenta (8%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6083, 0.2276, 0.3211 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 66.6083, 0.2276, 0.3211 by changing the saturation by 10% instead.

 66.6083, 0.2276,
0.3211

 66.6083, 0.2276,
0.3211

448.5492, 0.2663,
0.3261


 48.7664, 0.2190,
0.3196


 114.3590, 0.2409,
0.3231

 34.4342, 0.2085,
0.3176


 145.0365, 0.2461,
0.3238

 23.2274, 0.1955,
0.3149


 180.7613, 0.2506,
0.3244

 14.7615, 0.1789,
0.3108

 221.9179, 0.2545,
0.3249

 8.6522, 0.1573,
0.3045

268.8906, 0.2580,
0.3252

 4.5150, 0.1283,
0.2938

322.0638, 0.2611,

 1.9656, 0.0864,

0.3256

0.2749

381.8219, 0.2638,
0.3259

■ 0.5874, 0.0000,
0.2323

■ 0.0000, 0.0000,
0.0000

■ 66.6083, 0.2276,
0.3211

■ 66.6083, 0.2276,
0.3211

■ 65.6294, 0.2241,
0.3200

■ 67.9277, 0.2330,
0.3222


■ 64.9295, 0.2222,
0.3190

■ 69.6227, 0.2404,
0.3233


■ 64.7398, 0.2218,
0.3186

■ 71.7317, 0.2496,
0.3244


■ 74.2868, 0.2607,
0.3255

 77.3167, 0.2733,
0.3265

 80.8478, 0.2872,
0.3275

 84.9045, 0.3021,
0.3284

 89.5097, 0.3177,
0.3293

 91.1601, 0.3218,
0.3300

Harmonies

Analogous

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



66.6083, 0.2617, 0.3758



66.6083, 0.2276, 0.3211



66.6083, 0.2153, 0.2753

Triad

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



66.6083, 0.2276, 0.3211



66.6083, 0.3066, 0.2580



66.6083, 0.4045, 0.4060

Complementary

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



66.6083, 0.2276, 0.3211



22.4205, 0.5766, 0.3339

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.



66.6083, 0.4207, 0.3686



66.6083, 0.2276, 0.3211



66.6083, 0.3617, 0.2871

Square

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



66.6083, 0.2276, 0.3211



66.6083, 0.2577, 0.2441



66.6083, 0.4051, 0.3262



66.6083, 0.3638, 0.4266

Rectangle

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



66.6083, 0.2276, 0.3211



66.6083, 0.2198, 0.2555



66.6083, 0.4051, 0.3262



66.6083, 0.4132, 0.3948

Sweetspot

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



66.6108, 0.2276, 0.3211



89.3106, 0.2784, 0.3269



64.0841, 0.3007, 0.5688



18.8186, 0.2735, 0.3265



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.



66.6108, 0.2276, 0.3211



74.1165, 0.2229, 0.3194



27.5446, 0.1945, 0.1935



17.8355, 0.2981, 0.3282



35.1349, 0.2219, 0.3188



2.9504, 0.2223, 0.3202

Inverse Universe

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



27.5174, 0.3266, 0.1705



28.5124, 0.3286, 0.1606



41.2914, 0.4884, 0.4188



16.0220, 0.3143, 0.3065



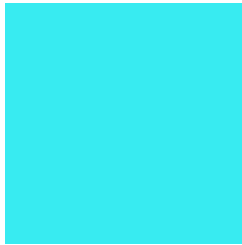
13.3402, 0.3292, 0.1587



1.1126, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 66.6083, 0.2276, 0.3211 looks on a white background.

Color Contrast Check

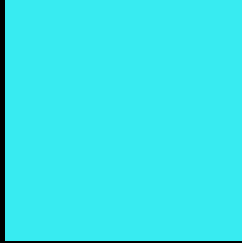
Large Text (above 18pt) WCAG AA × Fail

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 66.6083, 0.2276, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

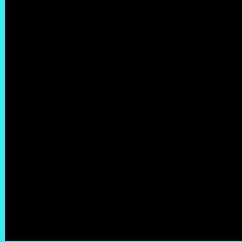
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6083, 0.2276, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 66.6083, 0.2276, 0.3211.

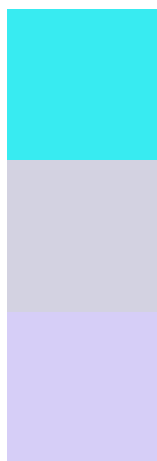


This preview shows how white text looks on a background with the Yxy color 66.6083, 0.2276, 0.3211.

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

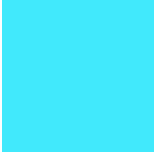
66.6083, 0.2276, 0.3211

Protanopia

65.3783, 0.3033, 0.3122

Deuteranopia

65.1542, 0.2910, 0.2848



Tritanopia

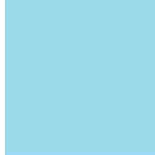
66.4299, 0.2246, 0.3052

Trichromacy



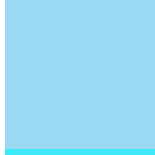
Original Color

66.6083, 0.2276, 0.3211



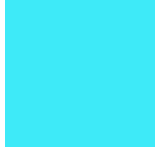
Protanomaly

63.4011, 0.2641, 0.3143



Deuteranomaly

63.2862, 0.2570, 0.2957



Tritanomaly

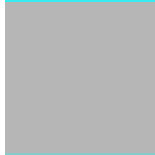
66.6471, 0.2258, 0.3113

Monochromacy



Original Color

66.6083, 0.2276, 0.3211



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.3193, 0.2658, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6083, 0.2276, 0.3211 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(56, 235, 241)` looks like.

```
.text, #text, p{  
    color:rgb(56, 235, 241)  
}
```

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(56, 235, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 235, 241) }
```

Border

The CSS property to change the border of an element to Yxy 66.6083, 0.2276, 0.3211 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(56, 235, 241) }
```

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

```
.border{ border-color:rgb(56, 235, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 235, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 235, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 235, 241);  
box-shadow:4px 4px 4px 4px rgb(56, 235,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6083, 0.2276, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 235, 241) }
```

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

```
.background{ background-color: rgb(56, 235,  
241) }
```

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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