

Converting Colors

$Yxy(66.3182, 0.2301, 0.3290)$

Have a look what the booklet for
Yxy(66.3182, 0.2301, 0.3290)
contains.

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Color

Yxy(66.2847, 0.2301, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	39EBEB
RGB	57, 235, 235
RGB Percent	22%, 92%, 92%
CMY	0.7765, 0.0784, 0.0785
CMYK	0.76, 0.00, 0.00, 0.08
HSL	180°, 82%, 57%
HSV	180°, 76%, 92%
XYZ	46.3872, 66.2847, 88.9239
YIQ	181.7780, -106.0880, -37.7360

Conversions

Conversions Part 2

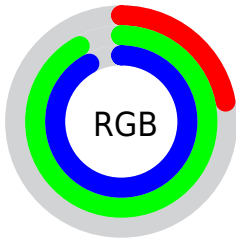
Format	Color
RYB	57, 146, 235
Decimal	3795947
CIELab	85.14, -42.29, -12.56
CIELCh	85, 44.119, 196.546
Yxy	66.2847, 0.2301, 0.3288
Android (android.graphics.Color)	4281986027 (0xFF39EBEB)
YUV	181.7780, 26.2384, -109.4303
Hunter-Lab	81.4154, -40.7749, -7.7672

Details

The Yxy color **66.2847, 0.2301, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.8858, 0.5757, 0.3298**, and the grayscale version is **46.5509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **35.0955, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **65.7486, 0.2268, 0.3288**, and if you desaturate by 10%, it is **67.1450, 0.2353, 0.3288**.

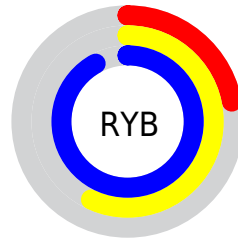
Distribution



Red (22%)

Green (92%)

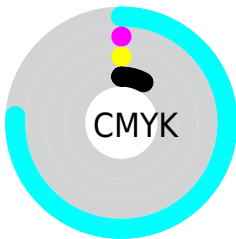
Blue (92%)



Red (22%)

Yellow (57%)

Blue (92%)

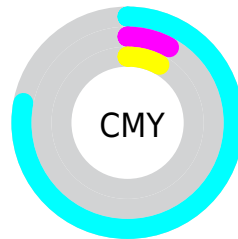


Cyan (76%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (78%)


Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2847, 0.2301, 0.3288 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 66.2847, 0.2301, 0.3288 by changing the saturation by 10% instead.

 66.2847, 0.2301,
0.3288

 66.2847, 0.2301,
0.3288


447.3944, 0.2678,
0.3301


 48.5036, 0.2217,
0.3282


 113.8949, 0.2431,
0.3295


 34.2258, 0.2114,
0.3273


 144.4927, 0.2481,
0.3297

 23.0671, 0.1985,
0.3260


 180.1315, 0.2525,
0.3298

 14.6431, 0.1821,
0.3238

 221.1957, 0.2564,
0.3299

 8.5693, 0.1605,
0.3200

268.0697, 0.2598,
0.3300

 4.4613, 0.1313,
0.3129

321.1379, 0.2628,

 1.9348, 0.0869,

0.3300

0.2998

380.7846, 0.2654,
0.3301

■ 0.5692, 0.0000,
0.2621

■ 0.0000, 0.0000,
0.0000

■ 66.2847, 0.2301,
0.3288

■ 66.2847, 0.2301,
0.3288

■ 65.7486, 0.2268,
0.3288

■ 67.1450, 0.2353,
0.3288

■ 65.4812, 0.2251,
0.3288

■ 68.3611, 0.2425,
0.3288


■ 65.4166, 0.2247,
0.3288


■ 69.9690, 0.2516,
0.3288


■ 71.9982, 0.2625,
0.3289

 74.4756, 0.2750,
0.3289

 77.4257, 0.2889,
0.3289

 80.8712, 0.3038,
0.3290

 84.8335, 0.3195,
0.3290

 86.6796, 0.3263,
0.3290

Harmonies

Analogous

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



66.2847, 0.2675, 0.3840



66.2847, 0.2301, 0.3288



66.2847, 0.2144, 0.2800

Triad

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



66.2847, 0.2301, 0.3288



66.2847, 0.2986, 0.2540



66.2847, 0.4100, 0.4023

Complementary

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



66.2847, 0.2301, 0.3288



20.8858, 0.5757, 0.3298

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.



66.2847, 0.4221, 0.3629



66.2847, 0.2301, 0.3288



66.2847, 0.3546, 0.2815

Square

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



66.2847, 0.2301, 0.3288



66.2847, 0.2510, 0.2425



66.2847, 0.4016, 0.3200



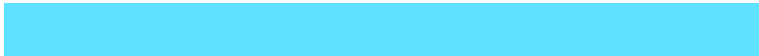
66.2847, 0.3715, 0.4266

Rectangle

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



66.2847, 0.2301, 0.3288



66.2847, 0.2167, 0.2579



66.2847, 0.4016, 0.3200



66.2847, 0.4175, 0.3902

Sweetspot

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



66.2872, 0.2301, 0.3288



90.5220, 0.2786, 0.3289



60.6759, 0.3023, 0.5678



19.1184, 0.2737, 0.3289



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.



66.2872, 0.2301, 0.3288



78.9186, 0.2256, 0.3288



28.3546, 0.1982, 0.2049



17.1219, 0.2981, 0.3290



36.4049, 0.2247, 0.3288



2.8587, 0.2247, 0.3288

Inverse Universe

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



20.8858, 0.5757, 0.3298



21.9327, 0.6273, 0.3299



37.6154, 0.4915, 0.4124



15.0541, 0.3293, 0.3290



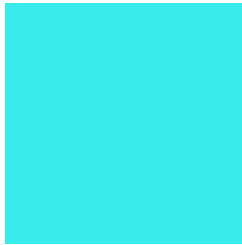
9.8299, 0.6401, 0.3300



0.7719, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 66.2847, 0.2301, 0.3288 looks on a white background.

Color Contrast Check

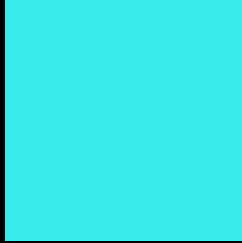
Large Text (above 18pt) WCAG AA × Fail

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 66.2847, 0.2301, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

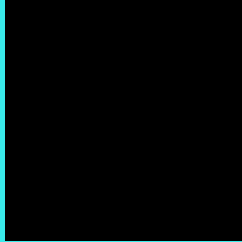
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2847, 0.2301, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 66.2847, 0.2301, 0.3288.

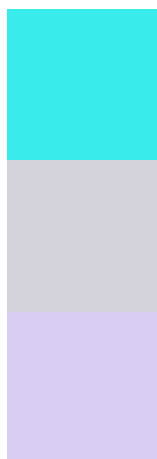


This preview shows how white text looks on a background with the Yxy color 66.2847, 0.2301, 0.3288.

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

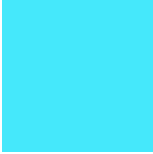
66.2847, 0.2301, 0.3288

Protanopia

65.2047, 0.3080, 0.3189

Deuteranopia

65.2452, 0.2970, 0.2911



Tritanopia

65.9435, 0.2255, 0.3052

Trichromacy



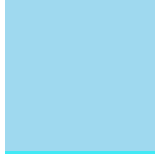
Original Color

66.2847, 0.2301, 0.3288



Protanomaly

63.1672, 0.2679, 0.3215



Deuteranomaly

63.2286, 0.2618, 0.3027



Tritanomaly

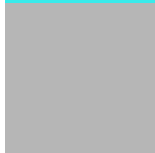
65.9942, 0.2272, 0.3137

Monochromacy



Original Color

66.2847, 0.2301, 0.3288



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.3087, 0.2676, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2847, 0.2301, 0.3288 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(57, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(57, 235, 235)  
}
```

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(57, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 235, 235) }
```

Border

The CSS property to change the border of an element to Yxy 66.2847, 0.2301, 0.3288 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(57, 235, 235) }
```

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

```
.border{ border-color:rgb(57, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(57, 235,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2847, 0.2301, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 235, 235) }
```

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

```
.background{ background-color: rgb(57, 235,  
235) }
```

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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