

Converting Colors

$Yxy(66.7436, 0.2330, 0.3288)$

Have a look what the booklet for
Yxy(66.7436, 0.2330, 0.3288)
contains.

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Color

Yxy(66.7544, 0.2330, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	47EBEB
RGB	71, 235, 235
RGB Percent	28%, 92%, 92%
CMY	0.7211, 0.0784, 0.0785
CMYK	0.70, 0.00, 0.00, 0.08
HSL	180°, 80%, 60%
HSV	180°, 70%, 92%
XYZ	47.3047, 66.7544, 88.9653
YIQ	185.9640, -97.7440, -34.7680

Conversions

Conversions Part 2

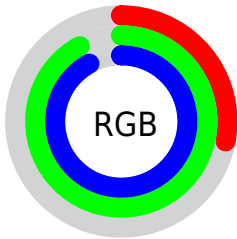
Format	Color
RYB	71, 153, 235
Decimal	4713451
CIELab	85.38, -40.74, -12.18
CIELCh	85, 42.524, 196.647
Yxy	66.7544, 0.2330, 0.3288
Android (android.graphics.Color)	4282903531 (0xFF47EBEB)
YUV	185.9640, 24.1747, -100.8234
Hunter-Lab	81.7034, -39.6328, -7.3674

Details

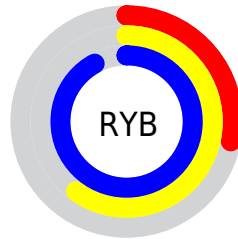
The Yxy color **66.7544, 0.2330, 0.3288** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.6408, 0.5484, 0.3297**, and the grayscale version is **49.0036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **35.4949, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **66.0317, 0.2286, 0.3288**, and if you desaturate by 10%, it is **67.8256, 0.2394, 0.3288**.

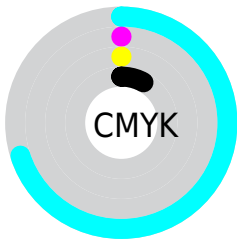
Distribution



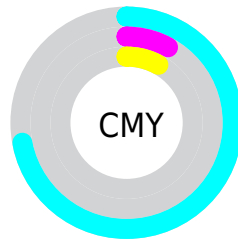
- Red (28%)
- Green (92%)
- Blue (92%)



- Red (28%)
- Yellow (60%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (72%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7544, 0.2330, 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 66.7544, 0.2330, 0.3288 by changing the saturation by 10% instead.


 66.7544, 0.2330,
0.3288


 66.7544, 0.2330,
0.3288


449.0701, 0.2694,
0.3300

 48.8851, 0.2248,
0.3283


 114.5684, 0.2455,
0.3294

 34.5283, 0.2149,
0.3274


 145.2819, 0.2504,
0.3296

 23.2998, 0.2024,
0.3262


 181.0455, 0.2547,
0.3297

 14.8150, 0.1865,
0.3241

 222.2437, 0.2584,
0.3298

 8.6897, 0.1656,
0.3206

269.2609, 0.2616,
0.3299

 4.5393, 0.1371,
0.3141

322.4814, 0.2645,

 1.9796, 0.0950,

0.3299

0.3014

382.2897, 0.2671,
0.3300

■ 0.5956, 0.0000,
0.2706

■ 0.0000, 0.0000,
0.0000

■ 66.7544, 0.2330,
0.3288

■ 66.7544, 0.2330,
0.3288

■ 66.0317, 0.2286,
0.3288

■ 67.8256, 0.2394,
0.3288

■ 65.6079, 0.2259,
0.3288


■ 69.2732, 0.2477,
0.3288


■ 65.4160, 0.2247,
0.3288


■ 71.1308, 0.2579,
0.3289

■ 65.4120, 0.2247,
0.3288


■ 73.4260, 0.2698,
0.3289

 76.1843, 0.2832,
0.3289

 79.4292, 0.2977,
0.3290

 83.1824, 0.3131,
0.3290

 86.6747, 0.3263,
0.3290

 86.6749, 0.3263,
0.3290

Harmonies

Analogous

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



66.7544, 0.2691, 0.3816



66.7544, 0.2330, 0.3288



66.7544, 0.2177, 0.2819

Triad

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



66.7544, 0.2330, 0.3288



66.7544, 0.2994, 0.2566



66.7544, 0.4064, 0.4000

Complementary

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



66.7544, 0.2330, 0.3288



22.6408, 0.5484, 0.3297

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.



66.7544, 0.4179, 0.3622



66.7544, 0.2330, 0.3288



66.7544, 0.3532, 0.2833

Square

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



66.7544, 0.2330, 0.3288



66.7544, 0.2534, 0.2455



66.7544, 0.3982, 0.3207



66.7544, 0.3693, 0.4230

Rectangle

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



66.7544, 0.2330, 0.3288



66.7544, 0.2201, 0.2605



66.7544, 0.3982, 0.3207



66.7544, 0.4135, 0.3884

Sweetspot

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



66.7569, 0.2330, 0.3288



91.2194, 0.2813, 0.3289



61.3228, 0.3032, 0.5523



19.3200, 0.2775, 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.



66.7569, 0.2330, 0.3288



79.2049, 0.2271, 0.3288



31.0493, 0.2052, 0.2163



17.1219, 0.2981, 0.3290



36.4050, 0.2247, 0.3288



2.8587, 0.2247, 0.3288

Inverse Universe

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



22.6408, 0.5484, 0.3297



22.9910, 0.6087, 0.3299



40.0364, 0.4747, 0.4099



15.0541, 0.3293, 0.3290



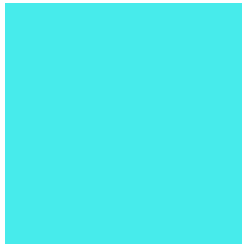
9.8299, 0.6401, 0.3300



0.7719, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 66.7544, 0.2330, 0.3288 looks on a white background.

Color Contrast Check

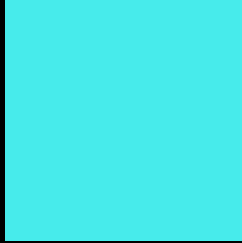
Large Text (above 18pt) WCAG AA × Fail

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 66.7544, 0.2330, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

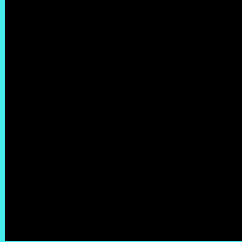
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7544, 0.2330, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 66.7544, 0.2330, 0.3288.



This preview shows how white text looks on a background with the Yxy color 66.7544, 0.2330, 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

66.7544, 0.2330, 0.3288

Protanopia

65.4066, 0.3081, 0.3178

Deuteranopia

65.3989, 0.2977, 0.2912



Tritanopia

66.4276, 0.2283, 0.3053

Trichromacy



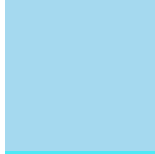
Original Color

66.7544, 0.2330, 0.3288



Protanomaly

63.6763, 0.2708, 0.3216



Deuteranomaly

63.8570, 0.2652, 0.3029



Tritanomaly

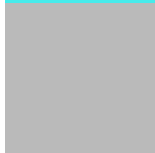
66.4482, 0.2299, 0.3138

Monochromacy



Original Color

66.7544, 0.2330, 0.3288



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.4747, 0.2706, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7544, 0.2330, 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(71, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 235) }
```

Border

The CSS property to change the border of an element to Yxy 66.7544, 0.2330, 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(71, 235, 235) }
```

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

```
.border{ border-color:rgb(71, 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(71, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7544, 0.2330, 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(71, 235, 235) }
```

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

```
.background{ background-color: rgb(71, 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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