

Converting Colors

$Y_{xy}(69.8380, 0.2320, 0.3292)$

Have a look what the booklet for
Yxy(69.8380, 0.2320, 0.3292)
contains.

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Color

Yxy(69.8404, 0.2319, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	44F0F0
RGB	68, 240, 240
RGB Percent	27%, 94%, 94%
CMY	0.7342, 0.0587, 0.0589
CMYK	0.72, 0.00, 0.00, 0.06
HSL	180°, 85%, 60%
HSV	180°, 72%, 94%
XYZ	49.2579, 69.8404, 93.3117
YIQ	188.5720, -102.5120, -36.4640

Conversions

Conversions Part 2

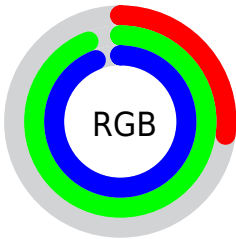
Format	Color
R _{YB}	68, 154, 240
Decimal	4518128
CIE _{Lab}	86.92, -41.99, -12.53
CIE _{LCh}	87, 43.822, 196.609
Yxy	69.8404, 0.2319, 0.3288
Android (android.graphics.Color)	4282708208 (0xFF44F0F0)
YUV	188.5720, 25.3540, -105.7416
Hunter-Lab	83.5706, -41.0376, -7.7015

Details

The Yxy color **69.8404, 0.2319, 0.3288** 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 **23.0498, 0.5583, 0.3297**, and the grayscale version is **50.4923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **37.3277, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **69.1525, 0.2278, 0.3288**, and if you desaturate by 10%, it is **70.8861, 0.2379, 0.3288**.

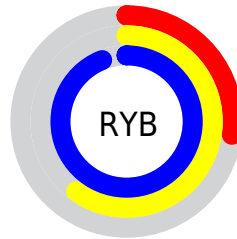
Distribution



Red (27%)

Green (94%)

Blue (94%)



Red (27%)

Yellow (60%)

Blue (94%)

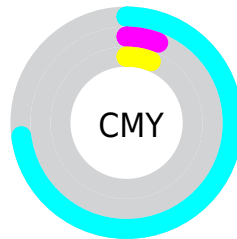


Cyan (72%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (73%)


Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8404, 0.2319, 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 69.8404, 0.2319, 0.3288 by changing the saturation by 10% instead.


 69.8404, 0.2319,
0.3288


 69.8404, 0.2319,
0.3288


459.9894, 0.2685,
0.3300


 51.3964, 0.2238,
0.3282

 118.9811, 0.2444,
0.3294


 36.5242, 0.2139,
0.3274


 150.4467, 0.2493,
0.3296

 24.8393, 0.2016,
0.3262


 187.0215, 0.2536,
0.3298

 15.9574, 0.1860,
0.3241

 229.0901, 0.2573,
0.3299

 9.4940, 0.1656,
0.3207

277.0368, 0.2606,
0.3299

 5.0648, 0.1381,
0.3145

331.2460, 0.2635,

 2.2853, 0.0998,

0.3300

392.1021, 0.2662,
0.3300

0.3020

0.7659, 0.0000,
0.2854

0.0000, 0.0000,
0.0000

69.8404, 0.2319,
0.3288

69.8404, 0.2319,
0.3288

69.1525, 0.2278,
0.3288

70.8861, 0.2379,
0.3288


68.7682, 0.2256,
0.3288

72.3203, 0.2458,
0.3288


68.6217, 0.2247,
0.3288

74.1790, 0.2557,
0.3289


76.4921, 0.2673,
0.3289

 79.2868, 0.2804,
0.3289

 82.5882, 0.2947,
0.3290

 86.4197, 0.3099,
0.3290

 89.8846, 0.3226,
0.3290

 89.8848, 0.3226,
0.3290

Harmonies

Analogous

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



69.8404, 0.2685, 0.3825



69.8404, 0.2319, 0.3288



69.8404, 0.2165, 0.2812

Triad

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



69.8404, 0.2319, 0.3288



69.8404, 0.2991, 0.2556



69.8404, 0.4077, 0.4008

Complementary

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



69.8404, 0.2319, 0.3288



23.0498, 0.5583, 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.



69.8404, 0.4195, 0.3625



69.8404, 0.2319, 0.3288



69.8404, 0.3538, 0.2826

Square

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



69.8404, 0.2319, 0.3288



69.8404, 0.2525, 0.2443



69.8404, 0.3995, 0.3204



69.8404, 0.3701, 0.4244

Rectangle

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



69.8404, 0.2319, 0.3288



69.8404, 0.2188, 0.2596



69.8404, 0.3995, 0.3204



69.8404, 0.4150, 0.3891

Sweetspot

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



69.8430, 0.2319, 0.3288



90.8678, 0.2799, 0.3289



64.0723, 0.3029, 0.5581



19.2517, 0.2762, 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.



69.8430, 0.2319, 0.3288



79.1071, 0.2266, 0.3288



31.5473, 0.2026, 0.2123



17.9289, 0.2981, 0.3290



37.5575, 0.2247, 0.3288



3.1245, 0.2247, 0.3288

Inverse Universe

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



23.0498, 0.5583, 0.3297



22.6295, 0.6148, 0.3299



41.0837, 0.4807, 0.4110



15.7589, 0.3293, 0.3290



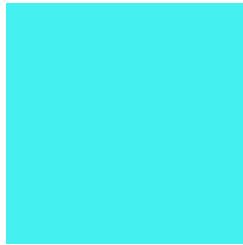
10.1411, 0.6401, 0.3300



0.8437, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 69.8404, 0.2319, 0.3288 looks on a white background.

Color Contrast Check

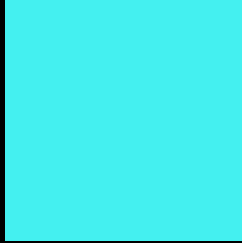
Large Text (above 18pt) WCAG AA × Fail

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 69.8404, 0.2319, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

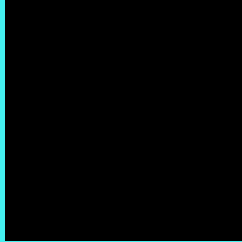
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8404, 0.2319, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 69.8404, 0.2319, 0.3288.

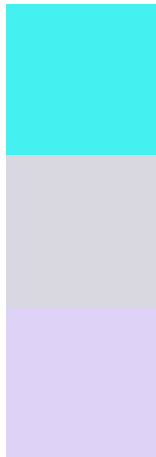


This preview shows how white text looks on a background with the Yxy color 69.8404, 0.2319, 0.3288.

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

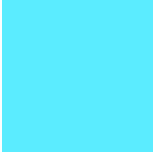
69.8404, 0.2319, 0.3288

Protanopia

68.7344, 0.3081, 0.3191

Deuteranopia

68.2766, 0.2973, 0.2908



Tritanopia

69.4351, 0.2306, 0.3058

Trichromacy



Original Color

69.8404, 0.2319, 0.3288



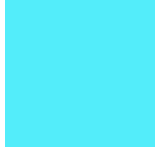
Protanomaly

66.8110, 0.2699, 0.3217



Deuteranomaly

66.3515, 0.2637, 0.3021



Tritanomaly

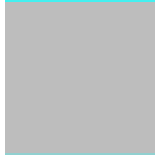
69.3095, 0.2307, 0.3128

Monochromacy



Original Color

69.8404, 0.2319, 0.3288



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.6856, 0.2694, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8404, 0.2319, 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(68, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(68, 240, 240)  
}
```

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(68, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 240, 240) }
```

Border

The CSS property to change the border of an element to Yxy 69.8404, 0.2319, 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(68, 240, 240) }
```

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

```
.border{ border-color:rgb(68, 240, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(68, 240,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8404, 0.2319, 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(68, 240, 240) }
```

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

```
.background{ background-color: rgb(68, 240,  
240) }
```

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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