

Converting Colors

$Yxy(64.7465, 0.2289, 0.3111)$

Have a look what the booklet for
Yxy(64.7465, 0.2289, 0.3111)
contains.

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Color

Yxy(64.6211, 0.2288, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	4BE6F4
RGB	75, 230, 244
RGB Percent	29%, 90%, 96%
CMY	0.7061, 0.0980, 0.0431
CMYK	0.69, 0.06, 0.00, 0.04
HSL	185°, 89%, 63%
HSV	185°, 69%, 96%
XYZ	47.5259, 64.6211, 95.5711
YIQ	185.2510, -96.8740, -28.5060

Conversions

Conversions Part 2

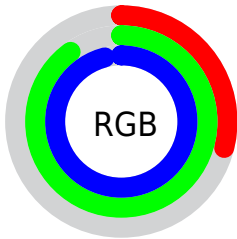
Format	Color
R_{YB}	75, 156, 244
Decimal	4974324
CIE _{Lab}	84.29, -35.42, -18.58
CIE _{LCh}	84, 39.998, 207.683
Yxy	64.6211, 0.2288, 0.3111
Android (android.graphics.Color)	4283164404 (0xFF4BE6F4)
YUV	185.2510, 28.9633, -96.6901
Hunter-Lab	80.3873, -35.1464, -14.2178

Details

The Yxy color **64.6211, 0.2288, 0.3111** 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 **26.8815, 0.5360, 0.3418**, and the grayscale version is **48.5318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **33.9029, 0.2182, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **62.7026, 0.2232, 0.3082**, and if you desaturate by 10%, it is **66.9344, 0.2363, 0.3140**.

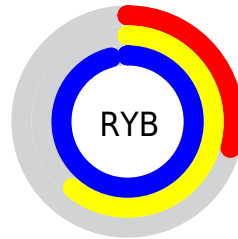
Distribution



Red (29%)

Green (90%)

Blue (96%)



Red (29%)

Yellow (61%)

Blue (96%)

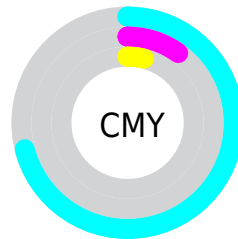


Cyan (69%)

Magenta (6%)

Yellow (0%)

Black (4%)



Cyan (71%)


Magenta (10%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6211, 0.2288, 0.3111 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 64.6211, 0.2288, 0.3111 by changing the saturation by 10% instead.


 64.6211, 0.2288,
0.3111


 64.6211, 0.2288,
0.3111


441.4291, 0.2671,
0.3208


 47.1539, 0.2203,
0.3085


 111.5049, 0.2419,
0.3147

 33.1573, 0.2098,
0.3052


 141.6904, 0.2471,
0.3161

 22.2470, 0.1969,
0.3008


 176.8840, 0.2516,
0.3172

 14.0385, 0.1803,
0.2945

 217.4703, 0.2554,
0.3181

 8.1475, 0.1587,
0.2852

263.8335, 0.2589,
0.3190

 4.1894, 0.1297,
0.2705

316.3581, 0.2619,

 1.7801, 0.0881,

0.3197

0.2455

375.4285, 0.2647,
0.3203

■ 0.4747, 0.0000,
0.1850

■ 0.0000, 0.0000,
0.0000

■ 64.6211, 0.2288,
0.3111

■ 64.6211, 0.2288,
0.3111

■ 62.7026, 0.2232,
0.3082

■ 66.9344, 0.2363,
0.3140

■ 61.1259, 0.2196,
0.3054


■ 69.6740, 0.2457,
0.3168

■ 59.8223, 0.2175,
0.3026


■ 72.8761, 0.2569,
0.3196


■ 59.7338, 0.2173,
0.3024

■ 76.5712, 0.2696,
0.3222

 80.7871, 0.2835,
0.3247

 85.5494, 0.2984,
0.3270

 90.8820, 0.3138,
0.3291

 93.8181, 0.3197,
0.3311

 95.0565, 0.3196,
0.3331

Harmonies

Analogous

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



64.6211, 0.2566, 0.3611



64.6211, 0.2288, 0.3111



64.6211, 0.2220, 0.2720

Triad

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



64.6211, 0.2288, 0.3111



64.6211, 0.3189, 0.2677



64.6211, 0.3913, 0.4072

Complementary

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



64.6211, 0.2288, 0.3111



26.8815, 0.5360, 0.3418

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.



64.6211, 0.4121, 0.3752



64.6211, 0.2288, 0.3111



64.6211, 0.3689, 0.2977

Square

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



64.6211, 0.2288, 0.3111



64.6211, 0.2708, 0.2511



64.6211, 0.4042, 0.3358



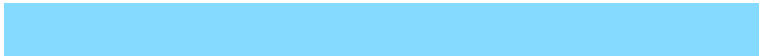
64.6211, 0.3500, 0.4201

Rectangle

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



64.6211, 0.2288, 0.3111



64.6211, 0.2295, 0.2563



64.6211, 0.4042, 0.3358



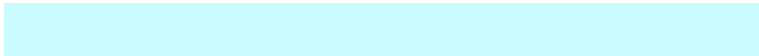
64.6211, 0.4011, 0.3980

Sweetspot

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



64.6235, 0.2288, 0.3111



88.4207, 0.2810, 0.3243



66.8824, 0.2988, 0.5410



18.6432, 0.2771, 0.3236



0.0000, 0.0000, 0.0000



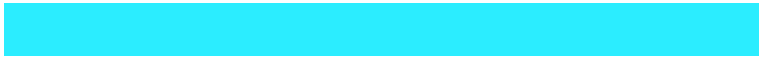
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6235, 0.2288, 0.3111



68.5747, 0.2216, 0.3071



29.2720, 0.2006, 0.1967



18.5090, 0.2981, 0.3270



32.5721, 0.2175, 0.3028



2.9309, 0.2184, 0.3064

Inverse Universe

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



29.9746, 0.3343, 0.1852



29.1545, 0.3387, 0.1718



48.7766, 0.4612, 0.4236



16.7432, 0.3151, 0.3076



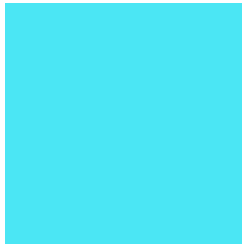
13.3875, 0.3429, 0.1663



1.1835, 0.3398, 0.1646

Previews

White Background



This preview shows how the Yxy color 64.6211, 0.2288, 0.3111 looks on a white background.

Color Contrast Check

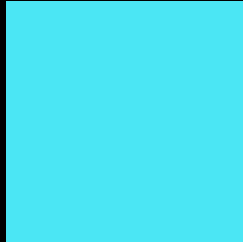
Large Text (above 18pt) WCAG AA × Fail

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 64.6211, 0.2288, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

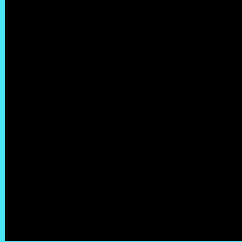
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6211, 0.2288, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 64.6211, 0.2288, 0.3111.



This preview shows how white text looks on a background with the Yxy color 64.6211, 0.2288, 0.3111.

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

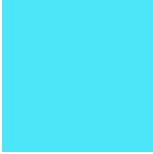
64.6211, 0.2288, 0.3111

Protanopia

63.4046, 0.2970, 0.3042

Deuteranopia

63.6432, 0.2856, 0.2790



Tritanopia

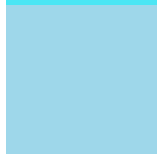
64.3937, 0.2275, 0.3050

Trichromacy



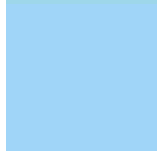
Original Color

64.6211, 0.2288, 0.3111



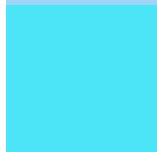
Protanomaly

61.8105, 0.2636, 0.3059



Deuteranomaly

61.8394, 0.2570, 0.2878



Tritanomaly

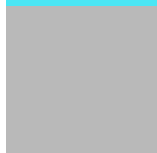
64.2905, 0.2276, 0.3062

Monochromacy



Original Color

64.6211, 0.2288, 0.3111



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.2493, 0.2696, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6211, 0.2288, 0.3111 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(75, 230, 244)` looks like.

```
.text, #text, p{  
    color:rgb(75, 230, 244)  
}
```

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(75, 230, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 230, 244) }
```

Border

The CSS property to change the border of an element to Yxy 64.6211, 0.2288, 0.3111 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(75, 230, 244) }
```

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

```
.border{ border-color:rgb(75, 230, 244) }
```

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

Here you see how a box with a 4 pixel rgb(75, 230, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 230, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 230, 244);  
box-shadow:4px 4px 4px 4px rgb(75, 230,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6211, 0.2288, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 230, 244) }
```

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

```
.background{ background-color: rgb(75, 230,  
244) }
```

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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