

Converting Colors

$Yxy(64.5836, 0.2410, 0.3041)$

Have a look what the booklet for
Yxy(64.5836, 0.2410, 0.3041)
contains.

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Color

Yxy(64.4262, 0.2408, 0.3032)

Conversions

Conversions Part 1

Format	Color
Hex	77E1F6
RGB	119, 225, 246
RGB Percent	47%, 88%, 96%
CMY	0.5331, 0.1176, 0.0355
CMYK	0.52, 0.09, 0.00, 0.04
HSL	190°, 88%, 72%
HSV	190°, 52%, 96%
XYZ	51.1670, 64.4262, 96.8943
YIQ	195.7000, -69.9170, -15.9410

Conversions

Conversions Part 2

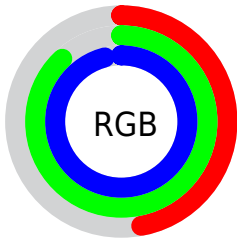
Format	Color
R _Y B	119, 177, 246
Decimal	7856630
CIE Lab	84.19, -25.10, -19.64
CIE LCh	84, 31.866, 218.039
Yxy	64.4262, 0.2408, 0.3032
Android (android.graphics.Color)	4286046710 (0xFF77E1F6)
YUV	195.7000, 24.7979, -67.2659
Hunter-Lab	80.2659, -26.6773, -15.3867

Details

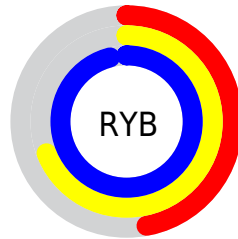
The Yxy color **64.4262, 0.2408, 0.3032** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.6773, 0.4494, 0.3516**, and the grayscale version is **54.9002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **32.8779, 0.2240, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **60.7368, 0.2307, 0.2973**, and if you desaturate by 10%, it is **68.6230, 0.2525, 0.3089**.

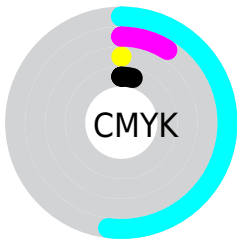
Distribution



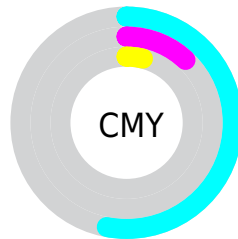
- Red (47%)
- Green (88%)
- Blue (96%)



- Red (47%)
- Yellow (69%)
- Blue (96%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)




- Cyan (53%)
- Magenta (12%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4262, 0.2408, 0.3032 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 64.4262, 0.2408, 0.3032 by changing the saturation by 10% instead.


 64.4262, 0.2408,
0.3032


 64.4262, 0.2408,
0.3032


440.7271, 0.2738,
0.3162

 46.9960, 0.2334,
0.3000


 111.2245, 0.2522,
0.3079

 33.0325, 0.2243,
0.2959


 141.3614, 0.2566,
0.3097

 22.1513, 0.2129,
0.2905


 176.5025, 0.2605,
0.3112

 13.9681, 0.1983,
0.2831

217.0324, 0.2638,
0.3125

 8.0985, 0.1790,
0.2727

263.3354, 0.2668,
0.3136

 4.1580, 0.1525,
0.2567

315.7960, 0.2694,

 1.7624, 0.1150,

0.3146

0.2302

374.7984, 0.2717,
0.3155

0.4635, 0.0000,
0.1743

0.0000, 0.0000,
0.0000

64.4262, 0.2408,
0.3032

64.4262, 0.2408,
0.3032

60.7368, 0.2307,
0.2973

68.6230, 0.2525,
0.3089

57.5115, 0.2225,
0.2914

73.3520, 0.2656,
0.3143

54.7118, 0.2163,
0.2854

78.6448, 0.2799,
0.3193

52.2882, 0.2120,
0.2794

84.5282, 0.2948,
0.3240

■ 50.4781, 0.2096,
0.2745

■ 91.0273, 0.3102,
0.3284

■ 95.8935, 0.3183,
0.3323

■ 98.4367, 0.3181,
0.3362

■ 99.4314, 0.3180,
0.3377

Harmonies

Analogous

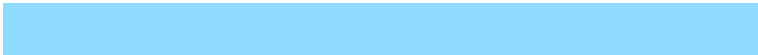
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.4262, 0.2582, 0.3410



64.4262, 0.2408, 0.3032



64.4262, 0.2412, 0.2760

Triad

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



64.4262, 0.2408, 0.3032



64.4262, 0.3322, 0.2866



64.4262, 0.3662, 0.3975

Complementary

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



64.4262, 0.2408, 0.3032



39.6773, 0.4494, 0.3516

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.



64.4262, 0.3890, 0.3771



64.4262, 0.2408, 0.3032



64.4262, 0.3692, 0.3144

Square

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



64.4262, 0.2408, 0.3032



64.4262, 0.2918, 0.2687



64.4262, 0.3904, 0.3467



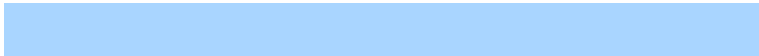
64.4262, 0.3298, 0.3990

Rectangle

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



64.4262, 0.2408, 0.3032



64.4262, 0.2514, 0.2665



64.4262, 0.3904, 0.3467



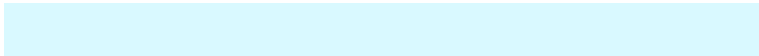
64.4262, 0.3758, 0.3924

Sweetspot

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



64.4286, 0.2408, 0.3032



89.4893, 0.2896, 0.3225



71.6503, 0.2964, 0.4704



18.8642, 0.2864, 0.3215



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.



64.4286, 0.2408, 0.3032



65.7345, 0.2303, 0.2970



36.9381, 0.2245, 0.2216



18.2646, 0.2980, 0.3250



27.1308, 0.2099, 0.2755



2.5058, 0.2119, 0.2829

Inverse Universe

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



38.2277, 0.3384, 0.2223



35.4420, 0.3451, 0.2051



62.9451, 0.4112, 0.4152



16.7185, 0.3163, 0.3095



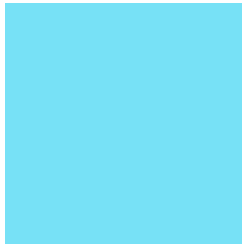
12.8382, 0.3677, 0.1799



1.1406, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 64.4262, 0.2408, 0.3032 looks on a white background.

Color Contrast Check

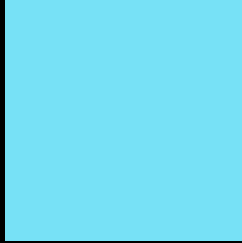
Large Text (above 18pt) WCAG AA × Fail

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 64.4262, 0.2408, 0.3032 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 64.4262, 0.2408, 0.3032

Background



This preview shows how black text looks on a background with the Yxy color 64.4262, 0.2408, 0.3032.



This preview shows how white text looks on a background with the Yxy color 64.4262, 0.2408, 0.3032.

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

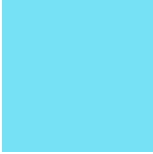
64.4262, 0.2408, 0.3032

Protanopia

63.5453, 0.2931, 0.2987

Deuteranopia

63.4978, 0.2849, 0.2789



Tritanopia

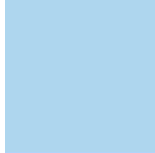
64.2336, 0.2412, 0.3055

Trichromacy



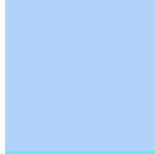
Original Color

64.4262, 0.2408, 0.3032



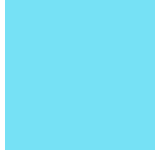
Protanomaly

63.2649, 0.2707, 0.3008



Deuteranomaly

63.1566, 0.2656, 0.2865



Tritanomaly

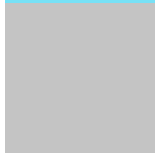
64.2946, 0.2408, 0.3043

Monochromacy



Original Color

64.4262, 0.2408, 0.3032



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.8055, 0.2803, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4262, 0.2408, 0.3032 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(119, 225, 246)` looks like.

```
.text, #text, p{  
    color:rgb(119, 225, 246)  
}
```

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(119, 225, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 225, 246) }
```

Border

The CSS property to change the border of an element to Yxy 64.4262, 0.2408, 0.3032 is called "border". The border property can be set on classes, ids or directly on the HTML element.

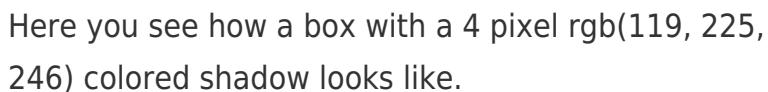
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 225, 246) }
```

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

```
.border{ border-color:rgb(119, 225, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 225, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 225, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 225, 246);  
box-shadow:4px 4px 4px 4px rgb(119, 225,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4262, 0.2408, 0.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 225, 246) }
```

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

```
.background{ background-color: rgb(119,  
225, 246) }
```

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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