

Converting Colors

$Yxy(64.8966, 0.2373, 0.3119)$

Have a look what the booklet for
Yxy(64.8966, 0.2373, 0.3119)
contains.

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Color

Yxy(64.7812, 0.2373, 0.3114)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 67E4F2 |
| RGB | 103, 228, 242 |
| RGB Percent | 40%, 89%, 95% |
| CMY | 0.5958, 0.1059, 0.0511 |
| CMYK | 0.57, 0.06, 0.00, 0.05 |
| HSL | 186°, 84%, 68% |
| HSV | 186°, 57%, 95% |
| XYZ | 49.3660, 64.7812, 93.8849 |
| YIQ | 192.2210, -78.9940, -22.1460 |

Conversions

Conversions Part 2

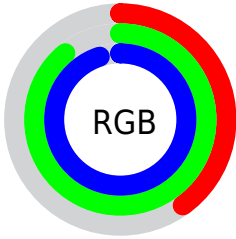
| Format | Color |
|-------------------------------------|---|
| RYB | 103, 169, 242 |
| Decimal | 6808818 |
| CIELab | 84.37, -30.72, -17.31 |
| CIELCh | 84, 35.259, 209.396 |
| Yxy | 64.7812, 0.2373, 0.3114 |
| Android (android.graphics.Color) | 4284998898 (0xFF67E4F2) |
| YUV | 192.2210, 24.5410, -78.2468 |
| Hunter-Lab | 80.4868, -31.3701, -12.8189 |

Details

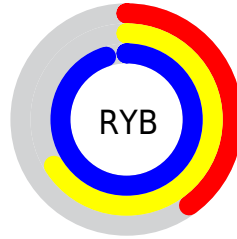
The Yxy color **64.7812, 0.2373, 0.3114** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5862, 0.4794, 0.3439**, and the grayscale version is **52.7472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **33.1989, 0.2199, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **62.2227, 0.2292, 0.3079**, and if you desaturate by 10%, it is **67.7774, 0.2473, 0.3148**.

Distribution



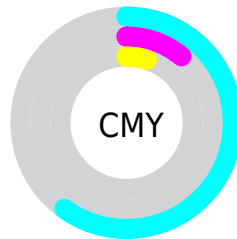
- Red (40%)
- Green (89%)
- Blue (95%)



- Red (40%)
- Yellow (66%)
- Blue (95%)



- Cyan (57%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)




- Cyan (60%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7812, 0.2373, 0.3114 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 64.7812, 0.2373, 0.3114 by changing the saturation by 10% instead.

 64.7812, 0.2373,
0.3114

 64.7812, 0.2373,
0.3114


442.0053, 0.2719,
0.3207


 47.2837, 0.2295,
0.3090

 111.7352, 0.2492,
0.3149

 33.2600, 0.2200,
0.3059


 141.9605, 0.2538,
0.3161

 22.3257, 0.2082,
0.3017


 177.1972, 0.2579,
0.3172

 14.0964, 0.1929,
0.2959

217.8297, 0.2614,
0.3181

 8.1877, 0.1728,
0.2874

264.2423, 0.2645,
0.3189

 4.2153, 0.1454,
0.2739

316.8196, 0.2672,

 1.7947, 0.1065,

0.3196

0.2507

375.9457, 0.2697,
0.3202

0.4839, 0.0000,
0.1979

0.0000, 0.0000,
0.0000

64.7812, 0.2373,
0.3114

64.7812, 0.2373,
0.3114

62.2227, 0.2292,
0.3079

67.7774, 0.2473,
0.3148

60.0578, 0.2230,
0.3044


71.2365, 0.2589,
0.3182


58.2454, 0.2188,
0.3009

75.1902, 0.2720,
0.3214

56.7288, 0.2162,
0.2974

79.6654, 0.2862,
0.3243


 56.3607, 0.2157,
0.2965

 84.6869, 0.3012,
0.3271

 90.2778, 0.3168,
0.3296

 92.9984, 0.3210,
0.3320

 94.4814, 0.3208,
0.3343

 95.9838, 0.3207,
0.3367

Harmonies

Analogous

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



64.7812, 0.2613, 0.3548



64.7812, 0.2373, 0.3114



64.7812, 0.2322, 0.2774

Triad

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



64.7812, 0.2373, 0.3114



64.7812, 0.3210, 0.2756



64.7812, 0.3808, 0.3996

Complementary

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



64.7812, 0.2373, 0.3114



32.5862, 0.4794, 0.3439

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.



64.7812, 0.4000, 0.3725



64.7812, 0.2373, 0.3114



64.7812, 0.3645, 0.3032

Square

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



64.7812, 0.2373, 0.3114



64.7812, 0.2779, 0.2600



64.7812, 0.3943, 0.3377



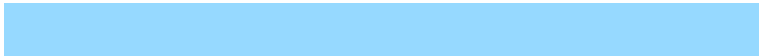
64.7812, 0.3437, 0.4087

Rectangle

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



64.7812, 0.2373, 0.3114



64.7812, 0.2396, 0.2638



64.7812, 0.3943, 0.3377



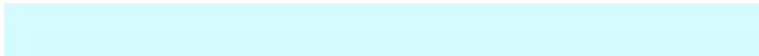
64.7812, 0.3896, 0.3920

Sweetspot

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



64.7836, 0.2373, 0.3114



89.9340, 0.2867, 0.3244



67.6599, 0.2983, 0.4977



19.0208, 0.2838, 0.3239



0.0000, 0.0000, 0.0000



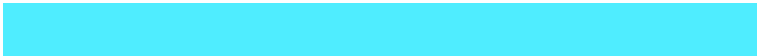
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7836, 0.2373, 0.3114



69.6260, 0.2279, 0.3073



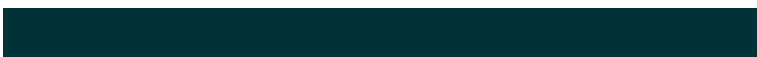
33.9667, 0.2167, 0.2168



17.6412, 0.2981, 0.3266



30.4008, 0.2159, 0.2971



2.6069, 0.2171, 0.3017

Inverse Universe

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



34.1885, 0.3327, 0.2051



32.9911, 0.3374, 0.1875



55.1452, 0.4284, 0.4166



16.0024, 0.3153, 0.3080



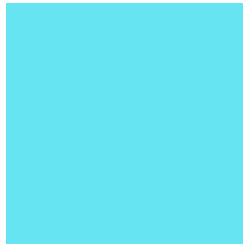
12.8623, 0.3480, 0.1691



1.0779, 0.3440, 0.1668

Previews

White Background



This preview shows how the Yxy color 64.7812, 0.2373, 0.3114 looks on a white background.

Color Contrast Check

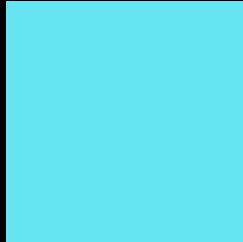
Large Text (above 18pt) WCAG AA × Fail

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 64.7812, 0.2373, 0.3114 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 64.7812, 0.2373, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 64.7812, 0.2373, 0.3114.



This preview shows how white text looks on a background with the Yxy color 64.7812, 0.2373, 0.3114.

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

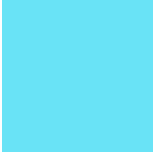
64.7812, 0.2373, 0.3114

Protanopia

64.0343, 0.2978, 0.3054

Deuteranopia

63.7500, 0.2889, 0.2823



Tritanopia

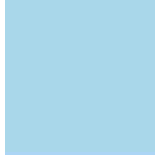
64.5952, 0.2360, 0.3053

Trichromacy



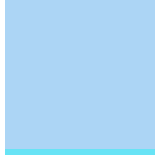
Original Color

64.7812, 0.2373, 0.3114



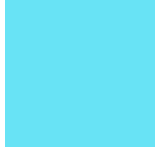
Protanomaly

62.9764, 0.2701, 0.3064



Deuteranomaly

62.9517, 0.2655, 0.2918



Tritanomaly

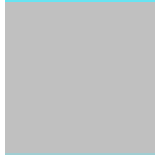
64.4738, 0.2361, 0.3065

Monochromacy



Original Color

64.7812, 0.2373, 0.3114



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.7894, 0.2773, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7812, 0.2373, 0.3114 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(103, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(103, 228, 242)  
}
```

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(103, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 228, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.7812, 0.2373, 0.3114 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(103, 228, 242) }
```

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

```
.border{ border-color:rgb(103, 228, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 228, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(103, 228,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7812, 0.2373, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 228, 242) }
```

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

```
.background{ background-color: rgb(103,  
228, 242) }
```

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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