

Converting Colors

$Yxy(64.2127, 0.2456, 0.3047)$

Have a look what the booklet for
Yxy(64.2127, 0.2456, 0.3047)
contains.

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Color

Yxy(64.3716, 0.2457, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	80E0F3
RGB	128, 224, 243
RGB Percent	50%, 88%, 95%
CMY	0.4978, 0.1216, 0.0472
CMYK	0.47, 0.08, 0.00, 0.05
HSL	190°, 83%, 73%
HSV	190°, 47%, 95%
XYZ	51.7373, 64.3716, 94.4622
YIQ	197.4620, -63.3150, -14.4430

Conversions

Conversions Part 2

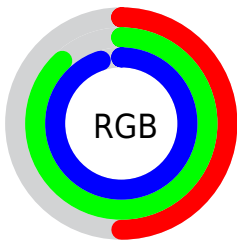
Format	Color
R _Y B	128, 180, 243
Decimal	8446195
CIE Lab	84.16, -23.47, -18.06
CIE LCh	84, 29.615, 217.580
Yxy	64.3716, 0.2457, 0.3057
Android (android.graphics.Color)	4286636275 (0xFF80E0F3)
YUV	197.4620, 22.4502, -60.9182
Hunter-Lab	80.2319, -25.3006, -13.6436

Details

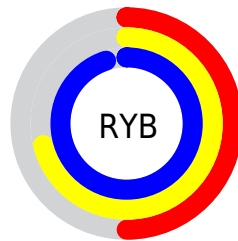
The Yxy color **64.3716, 0.2457, 0.3057** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.4843, 0.4327, 0.3500**, and the grayscale version is **56.0277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **33.1571, 0.2301, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **60.5789, 0.2349, 0.2999**, and if you desaturate by 10%, it is **68.6711, 0.2581, 0.3113**.

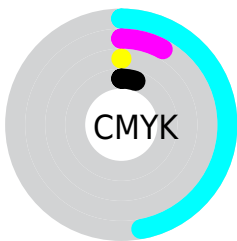
Distribution



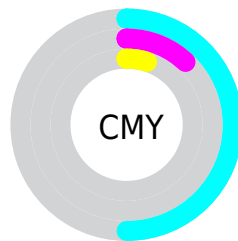
- Red (50%)
- Green (88%)
- Blue (95%)



- Red (50%)
- Yellow (71%)
- Blue (95%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)





- Cyan (50%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3716, 0.2457, 0.3057 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 64.3716, 0.2457, 0.3057 by changing the saturation by 10% instead.


 64.3716, 0.2457,
0.3057


 64.3716, 0.2457,
0.3057


440.5303, 0.2766,
0.3175


 46.9517, 0.2387,
0.3028


 111.1459, 0.2563,
0.3100

 32.9975, 0.2302,
0.2991


 141.2692, 0.2605,
0.3116

 22.1245, 0.2195,
0.2942


 176.3956, 0.2641,
0.3129

 13.9484, 0.2056,
0.2876

216.9097, 0.2672,
0.3141

 8.0848, 0.1872,
0.2780

263.1958, 0.2700,
0.3151

 4.1493, 0.1617,
0.2634

315.6384, 0.2724,

 1.7574, 0.1249,

0.3160

0.2389

374.6218, 0.2746,
0.3168

■ 0.4604, 0.0000,
0.1867

■ 0.0000, 0.0000,
0.0000

■ 64.3716, 0.2457,
0.3057

■ 64.3716, 0.2457,
0.3057

■ 60.5789, 0.2349,
0.2999

■ 68.6711, 0.2581,
0.3113

■ 57.2526, 0.2259,
0.2940

■ 73.5000, 0.2717,
0.3165

■ 54.3577, 0.2188,
0.2880

■ 78.8878, 0.2862,
0.3214

■ 51.8502, 0.2137,
0.2821

■ 84.8601, 0.3014,
0.3260

■ 49.6730, 0.2104,
0.2762

■ 91.4403, 0.3169,
0.3301

■ 49.1161, 0.2096,
0.2746

■ 94.9005, 0.3202,
0.3339

■ 97.3937, 0.3199,
0.3378

■ 99.2489, 0.3197,
0.3406

Harmonies

Analogous

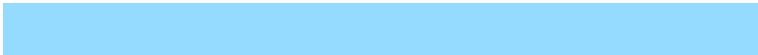
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3716, 0.2623, 0.3408



64.3716, 0.2457, 0.3057



64.3716, 0.2458, 0.2800

Triad

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



64.3716, 0.2457, 0.3057



64.3716, 0.3304, 0.2890



64.3716, 0.3631, 0.3925

Complementary

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



64.3716, 0.2457, 0.3057



41.4843, 0.4327, 0.3500

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.



64.3716, 0.3838, 0.3737



64.3716, 0.2457, 0.3057



64.3716, 0.3647, 0.3150

Square

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



64.3716, 0.2457, 0.3057



64.3716, 0.2928, 0.2724



64.3716, 0.3847, 0.3453



64.3716, 0.3294, 0.3939

Rectangle

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



64.3716, 0.2457, 0.3057



64.3716, 0.2552, 0.2708



64.3716, 0.3847, 0.3453



64.3716, 0.3719, 0.3879

Sweetspot

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



64.3741, 0.2457, 0.3057



90.1447, 0.2911, 0.3229



70.7271, 0.2974, 0.4565



18.9947, 0.2879, 0.3219



0.0000, 0.0000, 0.0000



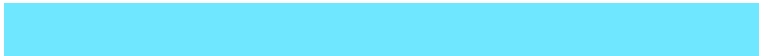
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3741, 0.2457, 0.3057



67.6702, 0.2350, 0.3000



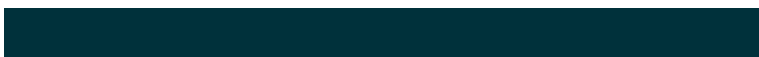
39.1711, 0.2322, 0.2324



18.2648, 0.2980, 0.3250



27.1364, 0.2099, 0.2755



2.5063, 0.2119, 0.2829

Inverse Universe

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



39.8849, 0.3357, 0.2303



38.1066, 0.3418, 0.2128



63.2016, 0.4017, 0.4085



16.7186, 0.3163, 0.3095



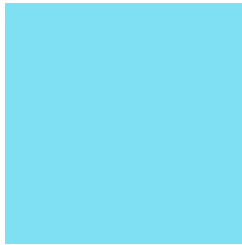
12.8388, 0.3676, 0.1799



1.1406, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 64.3716, 0.2457, 0.3057 looks on a white background.

Color Contrast Check

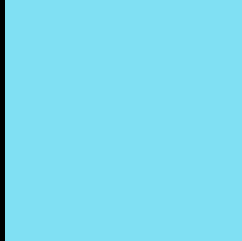
Large Text (above 18pt) WCAG AA × Fail

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 64.3716, 0.2457, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

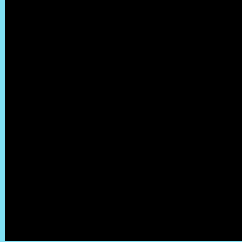
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3716, 0.2457, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 64.3716, 0.2457, 0.3057.

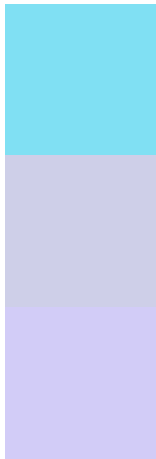


This preview shows how white text looks on a background with the Yxy color 64.3716, 0.2457, 0.3057.

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

64.3716, 0.2457, 0.3057

Protanopia

63.5737, 0.2951, 0.3010

Deuteranopia

63.6028, 0.2882, 0.2822



Tritanopia

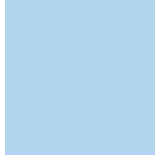
64.3113, 0.2461, 0.3068

Trichromacy



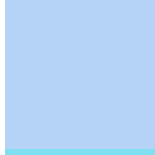
Original Color

64.3716, 0.2457, 0.3057



Protanomaly

63.1096, 0.2742, 0.3021



Deuteranomaly

62.9457, 0.2696, 0.2888



Tritanomaly

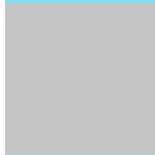
64.3113, 0.2461, 0.3068

Monochromacy



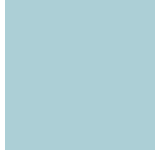
Original Color

64.3716, 0.2457, 0.3057



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.2513, 0.2830, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3716, 0.2457, 0.3057 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(128, 224, 243)` looks like.

```
.text, #text, p{  
    color:rgb(128, 224, 243)  
}
```

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(128, 224, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 224, 243) }
```

Border

The CSS property to change the border of an element to Yxy 64.3716, 0.2457, 0.3057 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(128, 224, 243) }
```

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

```
.border{ border-color:rgb(128, 224, 243) }
```

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

Here you see how a box with a 4 pixel rgb(128, 224, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 224, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 224, 243);  
box-shadow:4px 4px 4px 4px rgb(128, 224,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3716, 0.2457, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 224, 243) }
```

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

```
.background{ background-color: rgb(128,  
224, 243) }
```

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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