

Converting Colors

$Yxy(58.4097, 0.2450, 0.2964)$

Have a look what the booklet for
Yxy(58.4097, 0.2450, 0.2964)
contains.

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Color

Yxy(58.4097, 0.2450, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	80D5EF
RGB	128, 213, 239
RGB Percent	50%, 84%, 94%
CMY	0.4978, 0.1647, 0.0628
CMYK	0.46, 0.11, 0.00, 0.06
HSL	194°, 78%, 72%
HSV	194°, 46%, 94%
XYZ	48.2806, 58.4097, 90.3734
YIQ	190.5490, -59.0060, -9.9340

Conversions

Conversions Part 2

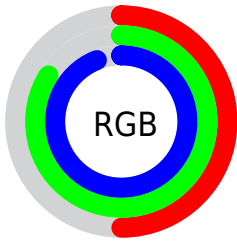
Format	Color
R_{YB}	128, 176, 239
Decimal	8443375
CIE _{Lab}	80.97, -19.01, -20.77
CIE _{LCh}	81, 28.159, 227.537
Yxy	58.4097, 0.2450, 0.2964
Android (android.graphics.Color)	4286633455 (0xFF80D5EF)
YUV	190.5490, 23.8863, -54.8555
Hunter-Lab	76.4262, -20.9824, -16.6116

Details

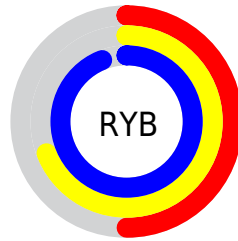
The Yxy color **58.4097, 0.2450, 0.2964** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.0349, 0.4249, 0.3582**, and the grayscale version is **51.7197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **29.1378, 0.2287, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **54.0028, 0.2332, 0.2880**, and if you desaturate by 10%, it is **63.3547, 0.2582, 0.3044**.

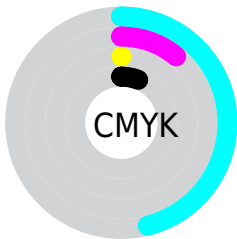
Distribution



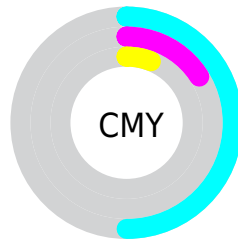
- Red (50%)
- Green (84%)
- Blue (94%)



- Red (50%)
- Yellow (69%)
- Blue (94%)



- Cyan (46%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (16%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4097, 0.2450, 0.2964 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 58.4097, 0.2450, 0.2964 by changing the saturation by 10% instead.

■ 58.4097, 0.2450,
0.2964

■ 58.4097, 0.2450,
0.2964

■ 418.7108, 0.2767,
0.3127

■ 42.1381, 0.2377,
0.2924

■ 102.5192, 0.2560,
0.3023

■ 29.2095, 0.2288,
0.2873

■ 131.1260, 0.2603,
0.3045

■ 19.2393, 0.2174,
0.2806

■ 164.6132, 0.2640,
0.3064

■ 11.8433, 0.2027,
0.2716

■ 203.3654, 0.2672,
0.3080

■ 6.6371, 0.1828,
0.2586

■ 247.7668, 0.2700,
0.3094

■ 3.2362, 0.1550,
0.2388

■ 298.2019, 0.2725,

■ 1.2563, 0.1133,

0.3106

0.2063

355.0551, 0.2747,
0.3117

0.1069, 0.0000,
0.0591

0.0000, 0.0000,
0.0000

58.4097, 0.2450,
0.2964

58.4097, 0.2450,
0.2964

54.0028, 0.2332,
0.2880

63.3547, 0.2582,
0.3044

50.0953, 0.2230,
0.2794

68.8601, 0.2725,
0.3119

46.6531, 0.2147,
0.2707

74.9549, 0.2874,
0.3189

43.6343, 0.2085,
0.2619

81.6638, 0.3028,
0.3252

■ 40.9861, 0.2041,
0.2533

■ 89.0099, 0.3183,
0.3310

■ 40.0958, 0.2028,
0.2502

■ 93.7597, 0.3227,
0.3364

■ 97.2278, 0.3223,
0.3418

■ 99.0107, 0.3220,
0.3444

Harmonies

Analogous

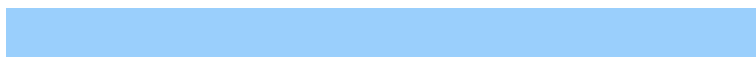
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.4097, 0.2560, 0.3287



58.4097, 0.2450, 0.2964



58.4097, 0.2507, 0.2756

Triad

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



58.4097, 0.2450, 0.2964



58.4097, 0.3422, 0.2974



58.4097, 0.3522, 0.3941

Complementary

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



58.4097, 0.2450, 0.2964



43.0349, 0.4249, 0.3582

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.



58.4097, 0.3777, 0.3806



58.4097, 0.2450, 0.2964



58.4097, 0.3723, 0.3250

Square

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



58.4097, 0.2450, 0.2964



58.4097, 0.3051, 0.2775



58.4097, 0.3855, 0.3549



58.4097, 0.3169, 0.3885

Rectangle

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



58.4097, 0.2450, 0.2964



58.4097, 0.2633, 0.2698



58.4097, 0.3855, 0.3549



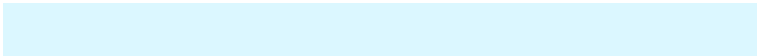
58.4097, 0.3622, 0.3914

Sweetspot

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



58.4119, 0.2450, 0.2964



88.6263, 0.2910, 0.3204



68.6463, 0.2930, 0.4411



18.6219, 0.2877, 0.3190



0.0000, 0.0000, 0.0000



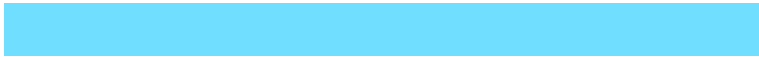
21.4041, 0.3127, 0.3290

Same Dimension

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



58.4119, 0.2450, 0.2964



62.6804, 0.2334, 0.2882



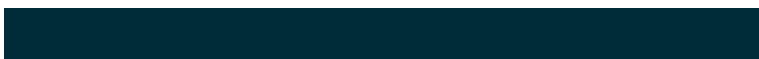
35.1575, 0.2315, 0.2221



17.2646, 0.2981, 0.3233



22.3729, 0.2032, 0.2515



2.0112, 0.2064, 0.2629

Inverse Universe

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



38.6069, 0.3428, 0.2392



38.1422, 0.3513, 0.2227



65.7060, 0.3950, 0.4160



15.9644, 0.3174, 0.3111



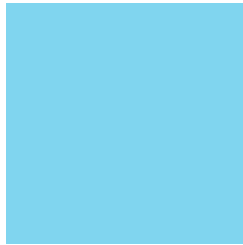
12.0519, 0.3907, 0.1926



1.0177, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 58.4097, 0.2450, 0.2964 looks on a white background.

Color Contrast Check

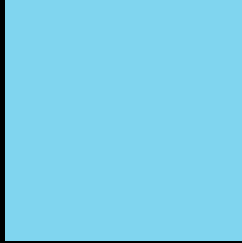
Large Text (above 18pt) WCAG AA × Fail

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 58.4097, 0.2450, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

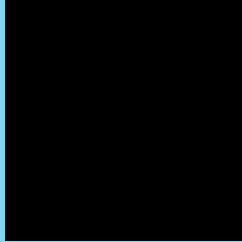
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4097, 0.2450, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 58.4097, 0.2450, 0.2964.



This preview shows how white text looks on a background with the Yxy color 58.4097, 0.2450, 0.2964.

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

58.4097, 0.2450, 0.2964

Protanopia

57.6474, 0.2889, 0.2930

Deuteranopia

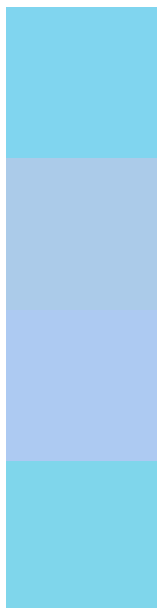
57.9567, 0.2819, 0.2760



Tritanopia

58.3549, 0.2476, 0.3060

Trichromacy



Original Color

58.4097, 0.2450, 0.2964

Protanomaly

57.2530, 0.2704, 0.2929

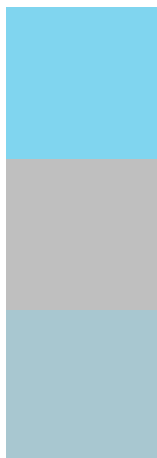
Deuteranomaly

57.5361, 0.2664, 0.2818

Tritanomaly

58.6033, 0.2466, 0.3024

Monochromacy



Original Color

58.4097, 0.2450, 0.2964

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.7257, 0.2834, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4097, 0.2450, 0.2964 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, 213, 239)` looks like.

```
.text, #text, p{  
    color:rgb(128, 213, 239)  
}
```

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, 213, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 213, 239) }
```

Border

The CSS property to change the border of an element to Yxy 58.4097, 0.2450, 0.2964 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, 213, 239) }
```

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

```
.border{ border-color:rgb(128, 213, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 213, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 213, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 213, 239);  
box-shadow:4px 4px 4px 4px rgb(128, 213,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4097, 0.2450, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 213, 239) }
```

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

```
.background{ background-color: rgb(128,  
213, 239) }
```

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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