

Converting Colors

$Yxy(46.8464, 0.2277, 0.2763)$

Have a look what the booklet for
Yxy(46.8464, 0.2277, 0.2763)
contains.

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Color

Yxy(46.8464, 0.2277, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	5EC2E9
RGB	94, 194, 233
RGB Percent	37%, 76%, 91%
CMY	0.6318, 0.2391, 0.0863
CMYK	0.60, 0.17, 0.00, 0.09
HSL	197°, 76%, 64%
HSV	197°, 60%, 91%
XYZ	38.6063, 46.8464, 84.0963
YIQ	168.5460, -72.1190, -9.0710

Conversions

Conversions Part 2

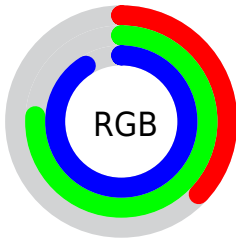
Format	Color
RYB	94, 152, 233
Decimal	6210281
CIELab	74.09, -18.03, -28.17
CIElCh	74, 33.448, 237.373
Yxy	46.8464, 0.2277, 0.2763
Android (android.graphics.Color)	4284400361 (0xFF5EC2E9)
YUV	168.5460, 31.7758, -65.3768
Hunter-Lab	68.4444, -19.0942, -24.9374

Details

The Yxy color **46.8464, 0.2277, 0.2763** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.8682, 0.4688, 0.3716**, and the grayscale version is **39.2947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1829, 0.2576, 0.3244**, and **21.9628, 0.2062, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **42.9554, 0.2175, 0.2658**, and if you desaturate by 10%, it is **51.2400, 0.2396, 0.2866**.

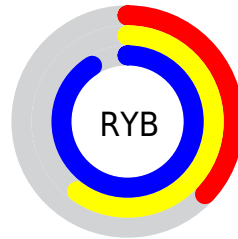
Distribution



Red (37%)

Green (76%)

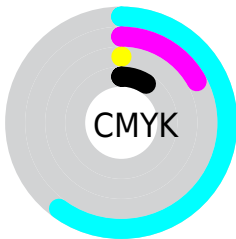
Blue (91%)



Red (37%)

Yellow (60%)

Blue (91%)

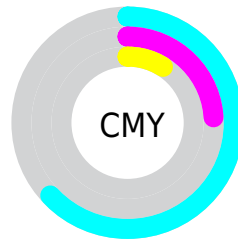


Cyan (60%)

Magenta (17%)

Yellow (0%)

Black (9%)



Cyan (63%)

Magenta (24%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8464, 0.2277, 0.2763 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 46.8464, 0.2277, 0.2763 by changing the saturation by 10% instead.

46.8464, 0.2277,
0.2763

46.8464, 0.2277,
0.2763

374.2011, 0.2685,
0.3032

32.9142, 0.2181,
0.2696

85.4843, 0.2421,
0.2861

22.0608, 0.2062,
0.2610

110.9588, 0.2476,
0.2898

13.9016, 0.1911,
0.2496

141.0496, 0.2524,
0.2929

8.0522, 0.1713,
0.2341

176.1410, 0.2565,
0.2955

4.1284, 0.1447,
0.2119

216.6175, 0.2601,
0.2978

1.7456, 0.1082,
0.1784

262.8634, 0.2632,

0.4529, 0.0000,

0.2998

0.1184

315.2631, 0.2660,
0.3016

0.0000, 0.0000,
0.0000

46.8464, 0.2277,
0.2763

46.8464, 0.2277,
0.2763

42.9554, 0.2175,
0.2658

51.2400, 0.2396,
0.2866

39.5256, 0.2092,
0.2551

56.1630, 0.2530,
0.2964

36.5159, 0.2029,
0.2445

61.6459, 0.2673,
0.3056

33.8566, 0.1984,
0.2340

67.7150, 0.2823,
0.3142

33.7812, 0.1983,
0.2337

74.3948, 0.2977,
0.3221

81.7083, 0.3132,
0.3292

89.2985, 0.3271,
0.3356

93.2061, 0.3264,
0.3419

97.2534, 0.3258,
0.3482

Harmonies

Analogous

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



46.8464, 0.2344, 0.3131



46.8464, 0.2277, 0.2763



46.8464, 0.2413, 0.2569

Triad

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



46.8464, 0.2277, 0.2763



46.8464, 0.3646, 0.2995



46.8464, 0.3482, 0.4136

Complementary

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



46.8464, 0.2277, 0.2763



34.8682, 0.4688, 0.3716

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.



46.8464, 0.3865, 0.4019



46.8464, 0.2277, 0.2763



46.8464, 0.3976, 0.3353

Square

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



46.8464, 0.2277, 0.2763



46.8464, 0.3181, 0.2713



46.8464, 0.4054, 0.3722



46.8464, 0.3021, 0.3984

Rectangle

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



46.8464, 0.2277, 0.2763



46.8464, 0.2608, 0.2542



46.8464, 0.4054, 0.3722



46.8464, 0.3625, 0.4124

Sweetspot

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



46.8481, 0.2277, 0.2763



84.3765, 0.2848, 0.3155



62.2889, 0.2875, 0.4732



17.5700, 0.2804, 0.3131



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.



46.8481, 0.2277, 0.2763



51.5483, 0.2151, 0.2629



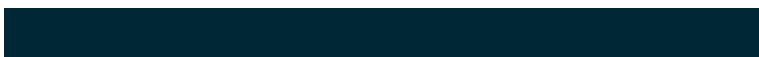
23.2670, 0.2059, 0.1786



16.3669, 0.2981, 0.3222



19.3881, 0.1987, 0.2353



1.6834, 0.2028, 0.2499

Inverse Universe

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



29.2044, 0.3621, 0.2234



30.1557, 0.3767, 0.2089



59.6882, 0.4172, 0.4415



15.2376, 0.3181, 0.3122



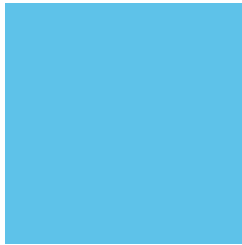
11.4500, 0.4071, 0.2016



0.9154, 0.3924, 0.1935

Previews

White Background



This preview shows how the Yxy color 46.8464, 0.2277, 0.2763 looks on a white background.

Color Contrast Check

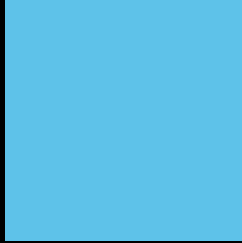
Large Text (above 18pt) WCAG AA × Fail

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 46.8464, 0.2277, 0.2763 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 46.8464, 0.2277, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 46.8464, 0.2277, 0.2763.



This preview shows how white text looks on a background with the Yxy color 46.8464, 0.2277, 0.2763.

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

46.8464, 0.2277, 0.2763

Protanopia

46.2258, 0.2740, 0.2739

Deuteranopia

46.3902, 0.2635, 0.2570



Tritanopia

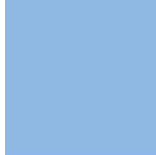
46.6679, 0.2343, 0.3061

Trichromacy



Original Color

46.8464, 0.2277, 0.2763



Protanomaly

45.6667, 0.2531, 0.2730



Deuteranomaly

46.0879, 0.2475, 0.2626



Tritanomaly

46.7219, 0.2319, 0.2953

Monochromacy



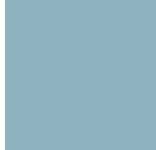
Original Color

46.8464, 0.2277, 0.2763



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.3973, 0.2732, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8464, 0.2277, 0.2763 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(94, 194, 233)` looks like.

```
.text, #text, p{  
    color:rgb(94, 194, 233)  
}
```

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(94, 194, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 194, 233) }
```

Border

The CSS property to change the border of an element to Yxy 46.8464, 0.2277, 0.2763 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(94, 194, 233) }
```

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

```
.border{ border-color:rgb(94, 194, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 194, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 194, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 194, 233);  
box-shadow:4px 4px 4px 4px rgb(94, 194,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8464, 0.2277, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 194, 233) }
```

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

```
.background{ background-color: rgb(94, 194,  
233) }
```

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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