

Converting Colors

$Y_{xy}(46.7680, 0.2322, 0.2888)$

Have a look what the booklet for
Yxy(46.7680, 0.2322, 0.2888)
contains.

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Color

Yxy(46.7917, 0.2321, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	5EC3E0
RGB	94, 195, 224
RGB Percent	37%, 76%, 88%
CMY	0.6311, 0.2353, 0.1215
CMYK	0.58, 0.13, 0.00, 0.12
HSL	193°, 68%, 62%
HSV	193°, 58%, 88%
XYZ	37.5921, 46.7917, 77.5813
YIQ	168.1070, -69.5050, -12.3930

Conversions

Conversions Part 2

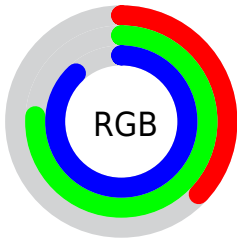
Format	Color
R _{YB}	94, 151, 224
Decimal	6210528
CIE Lab	74.06, -21.15, -23.36
CIE LCh	74, 31.518, 227.841
Yxy	46.7917, 0.2321, 0.2889
Android (android.graphics.Color)	4284400608 (0xFF5EC3E0)
YUV	168.1070, 27.5552, -64.9918
Hunter-Lab	68.4045, -21.6120, -19.3609

Details

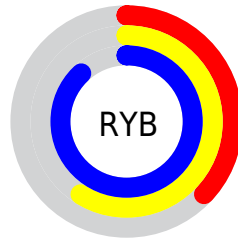
The Yxy color **46.7917, 0.2321, 0.2889** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.8477, 0.4680, 0.3622**, and the grayscale version is **39.1103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7108, 0.2574, 0.3255**, and **21.9925, 0.2112, 0.2759** is the 20% darker color. If you saturate the color by 10%, you get **43.5705, 0.2224, 0.2807**, and if you desaturate by 10%, it is **50.4351, 0.2435, 0.2969**.

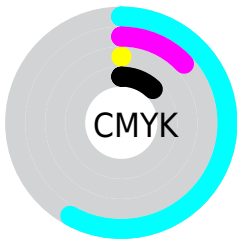
Distribution



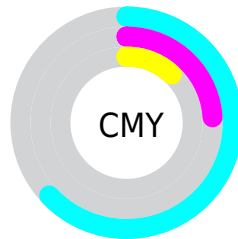
- Red (37%)
- Green (76%)
- Blue (88%)



- Red (37%)
- Yellow (59%)
- Blue (88%)



- Cyan (58%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)





- Cyan (63%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7917, 0.2321, 0.2889 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 46.7917, 0.2321, 0.2889 by changing the saturation by 10% instead.

 46.7917, 0.2321,
0.2889


 46.7917, 0.2321,
0.2889

373.9825, 0.2710,
0.3097


 32.8710, 0.2229,
0.2835


 85.4026, 0.2459,
0.2966


 22.0277, 0.2114,
0.2766


 110.8616, 0.2511,
0.2995

 13.8772, 0.1968,
0.2673


 140.9356, 0.2556,
0.3019

 8.0353, 0.1774,
0.2544

 176.0088, 0.2595,
0.3039

 4.1176, 0.1510,
0.2352

216.4657, 0.2629,
0.3057

 1.7395, 0.1140,
0.2048

262.6907, 0.2659,

 0.4491, 0.0000,

0.3072

0.1450

315.0681, 0.2686,
0.3086

0.0000, 0.0000,
0.0000

46.7917, 0.2321,
0.2889

46.7917, 0.2321,
0.2889

43.5705, 0.2224,
0.2807

50.4351, 0.2435,
0.2969

40.7350, 0.2146,
0.2724

54.5233, 0.2564,
0.3045

38.2501, 0.2087,
0.2642

59.0829, 0.2704,
0.3117

36.0642, 0.2047,
0.2560

64.1370, 0.2851,
0.3183

35.6488, 0.2040,
0.2544

69.7067, 0.3004,
0.3245

75.8121, 0.3158,
0.3301

82.4718, 0.3311,
0.3351

86.0697, 0.3334,
0.3400

88.9753, 0.3328,
0.3448

Harmonies

Analogous

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



46.7917, 0.2447, 0.3277



46.7917, 0.2321, 0.2889



46.7917, 0.2390, 0.2648

Triad

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



46.7917, 0.2321, 0.2889



46.7917, 0.3485, 0.2916



46.7917, 0.3593, 0.4077

Complementary

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



46.7917, 0.2321, 0.2889



30.8477, 0.4680, 0.3622

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.



46.7917, 0.3905, 0.3905



46.7917, 0.2321, 0.2889



46.7917, 0.3850, 0.3240

Square

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



46.7917, 0.2321, 0.2889



46.7917, 0.3037, 0.2681



46.7917, 0.4006, 0.3594



46.7917, 0.3168, 0.4015

Rectangle

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



46.7917, 0.2321, 0.2889



46.7917, 0.2539, 0.2585



46.7917, 0.4006, 0.3594



46.7917, 0.3715, 0.4041

Sweetspot

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



46.7934, 0.2321, 0.2889



86.6627, 0.2865, 0.3189



57.1135, 0.2911, 0.4775



18.2414, 0.2834, 0.3176



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.



46.7934, 0.2321, 0.2889



57.4465, 0.2202, 0.2787



23.9685, 0.2113, 0.1934



15.0258, 0.2982, 0.3236



20.9257, 0.2044, 0.2556



1.5798, 0.2079, 0.2682

Inverse Universe

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



27.8074, 0.3511, 0.2189



31.4113, 0.3621, 0.2026



52.2836, 0.4184, 0.4325



13.8805, 0.3172, 0.3110



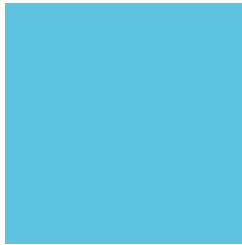
11.0205, 0.3867, 0.1904



0.7769, 0.3745, 0.1837

Previews

White Background



This preview shows how the Yxy color 46.7917, 0.2321, 0.2889 looks on a white background.

Color Contrast Check

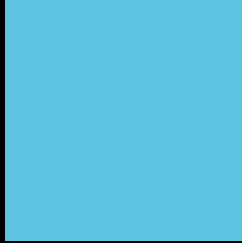
Large Text (above 18pt) WCAG AA × Fail

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 46.7917, 0.2321, 0.2889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

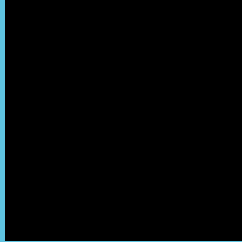
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7917, 0.2321, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 46.7917, 0.2321, 0.2889.



This preview shows how white text looks on a background with the Yxy color 46.7917, 0.2321, 0.2889.

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

46.7917, 0.2321, 0.2889

Protanopia

46.0430, 0.2830, 0.2859

Deuteranopia

46.0444, 0.2727, 0.2661



Tritanopia

46.8604, 0.2358, 0.3062

Trichromacy



Original Color

46.7917, 0.2321, 0.2889

Protanomaly

45.7274, 0.2604, 0.2866

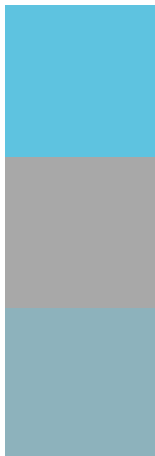
Deuteranomaly

45.8468, 0.2544, 0.2732

Tritanomaly

46.7138, 0.2344, 0.2994

Monochromacy



Original Color

46.7917, 0.2321, 0.2889

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.1343, 0.2752, 0.3146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7917, 0.2321, 0.2889 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, 195, 224)` looks like.

```
.text, #text, p{  
    color:rgb(94, 195, 224)  
}
```

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, 195, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 195, 224) }
```

Border

The CSS property to change the border of an element to Yxy 46.7917, 0.2321, 0.2889 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, 195, 224) }
```

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

```
.border{ border-color:rgb(94, 195, 224) }
```

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

Here you see how a box with a 4 pixel rgb(94, 195, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 195, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 195, 224);  
box-shadow:4px 4px 4px 4px rgb(94, 195,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7917, 0.2321, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 195, 224) }
```

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

```
.background{ background-color: rgb(94, 195,  
224) }
```

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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