

Converting Colors

$Yxy(45.7498, 0.2294, 0.2846)$

Have a look what the booklet for
Yxy(45.7498, 0.2294, 0.2846)
contains.

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Color

Yxy(45.7498, 0.2294, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	5AC1E1
RGB	90, 193, 225
RGB Percent	35%, 76%, 88%
CMY	0.6471, 0.2431, 0.1176
CMYK	0.60, 0.14, 0.00, 0.12
HSL	194°, 69%, 62%
HSV	194°, 60%, 88%
XYZ	36.8763, 45.7498, 78.1251
YIQ	165.8510, -71.6600, -11.8840

Conversions

Conversions Part 2

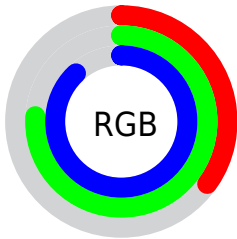
Format	Color
RYB	90, 148, 225
Decimal	5947873
CIELab	73.38, -20.60, -24.94
CIElCh	73, 32.346, 230.451
Yxy	45.7498, 0.2294, 0.2846
Android (android.graphics.Color)	4284137953 (0xFF5AC1E1)
YUV	165.8510, 29.1605, -66.5213
Hunter-Lab	67.6386, -21.0500, -21.1351

Details

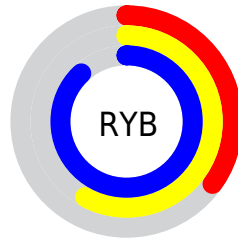
The Yxy color **45.7498, 0.2294, 0.2846** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **30.6637, 0.4744, 0.3650**, and the grayscale version is **37.9397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1705, 0.2557, 0.3232**, and **21.3675, 0.2083, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **42.4732, 0.2199, 0.2758**, and if you desaturate by 10%, it is **49.4562, 0.2407, 0.2931**.

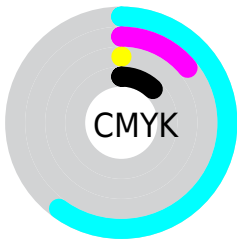
Distribution



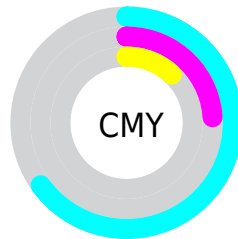
- Red (35%)
- Green (76%)
- Blue (88%)



- Red (35%)
- Yellow (58%)
- Blue (88%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (12%)



- Cyan (65%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7498, 0.2294, 0.2846 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 45.7498, 0.2294, 0.2846 by changing the saturation by 10% instead.

45.7498, 0.2294,
0.2846

45.7498, 0.2294,
0.2846

369.8018, 0.2697,
0.3076

32.0484, 0.2199,
0.2787

83.8444, 0.2437,
0.2931

21.3985, 0.2080,
0.2711

109.0065, 0.2491,
0.2963

13.4156, 0.1928,
0.2609

138.7575, 0.2538,
0.2989

7.7153, 0.1728,
0.2467

173.4820, 0.2578,
0.3012

3.9134, 0.1456,
0.2258

213.5643, 0.2613,
0.3031

1.6252, 0.1078,
0.1932

259.3887, 0.2644,

0.3745, 0.0000,

0.3048

0.1216

311.3398, 0.2672,
0.3063

0.0000, 0.0000,
0.0000

45.7498, 0.2294,
0.2846

45.7498, 0.2294,
0.2846

42.4732, 0.2199,
0.2758

49.4562, 0.2407,
0.2931

39.5886, 0.2122,
0.2670

53.6160, 0.2535,
0.3013

37.0588, 0.2066,
0.2582

58.2570, 0.2674,
0.3091

34.8178, 0.2026,
0.2495

63.4029, 0.2821,
0.3163

69.0755, 0.2973,
0.3230

75.2954, 0.3127,
0.3290

82.0820, 0.3280,
0.3344

86.4977, 0.3327,
0.3396

89.6091, 0.3320,
0.3448

Harmonies

Analogous

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



45.7498, 0.2406, 0.3237



45.7498, 0.2294, 0.2846



45.7498, 0.2382, 0.2614

Triad

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



45.7498, 0.2294, 0.2846



45.7498, 0.3535, 0.2930



45.7498, 0.3572, 0.4109

Complementary

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



45.7498, 0.2294, 0.2846



30.6637, 0.4744, 0.3650

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.



45.7498, 0.3910, 0.3947



45.7498, 0.2294, 0.2846



45.7498, 0.3899, 0.3269

Square

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



45.7498, 0.2294, 0.2846



45.7498, 0.3073, 0.2678



45.7498, 0.4037, 0.3633



45.7498, 0.3128, 0.4023

Rectangle

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



45.7498, 0.2294, 0.2846



45.7498, 0.2546, 0.2560



45.7498, 0.4037, 0.3633



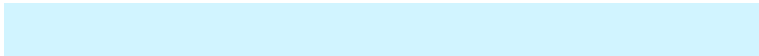
45.7498, 0.3702, 0.4078

Sweetspot

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



45.7515, 0.2294, 0.2846



85.5638, 0.2849, 0.3176



57.4198, 0.2896, 0.4803



17.8621, 0.2805, 0.3156



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.



45.7515, 0.2294, 0.2846



55.4032, 0.2178, 0.2736



22.5299, 0.2070, 0.1846



14.9928, 0.2982, 0.3233



20.2507, 0.2030, 0.2508



1.5382, 0.2068, 0.2643

Inverse Universe

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



27.1696, 0.3551, 0.2176



30.5449, 0.3669, 0.2025



53.1427, 0.4206, 0.4375



13.8772, 0.3174, 0.3113



10.9524, 0.3914, 0.1930



0.7727, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 45.7498, 0.2294, 0.2846 looks on a white background.

Color Contrast Check

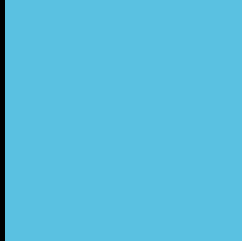
Large Text (above 18pt) WCAG AA × Fail

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 45.7498, 0.2294, 0.2846 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 45.7498, 0.2294, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 45.7498, 0.2294, 0.2846.

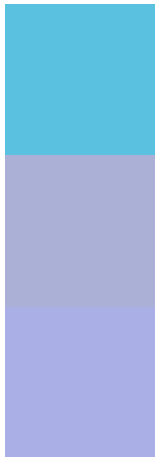


This preview shows how white text looks on a background with the Yxy color 45.7498, 0.2294, 0.2846.

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

45.7498, 0.2294, 0.2846

Protanopia

44.9572, 0.2799, 0.2818

Deuteranopia

45.2539, 0.2690, 0.2632



Tritanopia

45.6182, 0.2342, 0.3059

Trichromacy



Original Color

45.7498, 0.2294, 0.2846

Protanomaly

44.6797, 0.2575, 0.2824

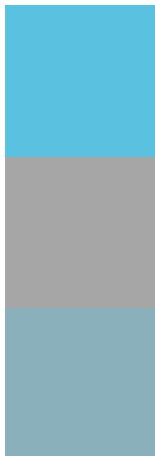
Deuteranomaly

44.7201, 0.2509, 0.2690

Tritanomaly

45.5199, 0.2323, 0.2977

Monochromacy



Original Color

45.7498, 0.2294, 0.2846

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.0418, 0.2734, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7498, 0.2294, 0.2846 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(90, 193, 225)` looks like.

```
.text, #text, p{  
    color:rgb(90, 193, 225)  
}
```

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(90, 193, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 193, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.7498, 0.2294, 0.2846 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(90, 193, 225) }
```

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

```
.border{ border-color:rgb(90, 193, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 193, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 193, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 193, 225);  
box-shadow:4px 4px 4px 4px rgb(90, 193,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7498, 0.2294, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 193, 225) }
```

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

```
.background{ background-color: rgb(90, 193,  
225) }
```

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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