

Converting Colors

$Y_{xy}(50.0408, 0.2434, 0.2918)$

Have a look what the booklet for
Yxy(50.0408, 0.2434, 0.2918)
contains.

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Color

Yxy(49.8011, 0.2433, 0.2917)

Conversions

Conversions Part 1

Format	Color
Hex	77C6E2
RGB	119, 198, 226
RGB Percent	47%, 78%, 89%
CMY	0.5331, 0.2236, 0.1136
CMYK	0.47, 0.12, 0.00, 0.11
HSL	196°, 65%, 68%
HSV	196°, 47%, 89%
XYZ	41.5379, 49.8011, 79.3881
YIQ	177.5710, -56.0720, -8.0400

Conversions

Conversions Part 2

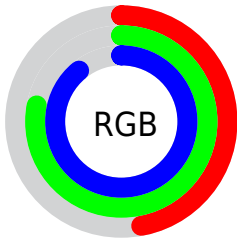
Format	Color
R _Y B	119, 164, 226
Decimal	7849698
CIE Lab	75.95, -16.89, -21.48
CIE LCh	76, 27.323, 231.826
Yxy	49.8011, 0.2433, 0.2917
Android (android.graphics.Color)	4286039778 (0xFF77C6E2)
YUV	177.5710, 23.8755, -51.3668
Hunter-Lab	70.5699, -18.4310, -17.2998

Details

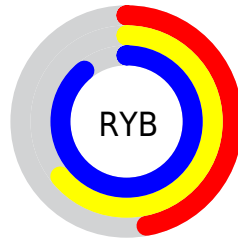
The Yxy color **49.8011, 0.2433, 0.2917** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.4035, 0.4257, 0.3621**, and the grayscale version is **44.1857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **23.8475, 0.2253, 0.2800** is the 20% darker color. If you saturate the color by 10%, you get **45.7333, 0.2313, 0.2823**, and if you desaturate by 10%, it is **54.3589, 0.2567, 0.3007**.

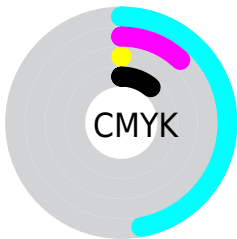
Distribution



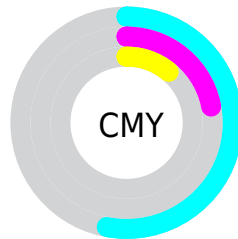
- Red (47%)
- Green (78%)
- Blue (89%)



- Red (47%)
- Yellow (64%)
- Blue (89%)



- Cyan (47%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)



- Cyan (53%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8011, 0.2433, 0.2917 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 49.8011, 0.2433, 0.2917 by changing the saturation by 10% instead.

■ 49.8011, 0.2433,
0.2917

■ 49.8011, 0.2433,
0.2917

■ 385.8876, 0.2766,
0.3107

■ 35.2554, 0.2354,
0.2869

■ 89.8801, 0.2551,
0.2986

■ 23.8597, 0.2256,
0.2808

■ 116.1822, 0.2596,
0.3012

■ 15.2296, 0.2130,
0.2726

■ 147.1718, 0.2635,
0.3034

■ 8.9807, 0.1963,
0.2613

■ 183.2335, 0.2668,
0.3053

■ 4.7286, 0.1734,
0.2449

■ 224.7515, 0.2697,
0.3069

■ 2.0889, 0.1406,
0.2190

■ 272.1102, 0.2723,

■ 0.6584, 0.0575,

0.3083

0.1773

325.6941, 0.2746,
0.3096

0.0000, 0.0000,
0.0000

49.8011, 0.2433,
0.2917

49.8011, 0.2433,
0.2917

45.7333, 0.2313,
0.2823

54.3589, 0.2567,
0.3007

42.1213, 0.2209,
0.2725

59.4268, 0.2711,
0.3092

38.9346, 0.2123,
0.2627

65.0305, 0.2861,
0.3170

36.1356, 0.2058,
0.2528

71.1922, 0.3014,
0.3242

33.6749, 0.2012,
0.2431

77.9324, 0.3168,
0.3307

■ 33.0513, 0.2001,
0.2404

■ 85.2706, 0.3321,
0.3365

■ 88.7515, 0.3316,
0.3423

■ 92.2857, 0.3309,
0.3480

■ 95.9347, 0.3302,
0.3537

Harmonies

Analogous

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



49.8011, 0.2521, 0.3235



49.8011, 0.2433, 0.2917



49.8011, 0.2515, 0.2725

Triad

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



49.8011, 0.2433, 0.2917



49.8011, 0.3480, 0.3003



49.8011, 0.3483, 0.3961

Complementary

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



49.8011, 0.2433, 0.2917



38.4035, 0.4257, 0.3621

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.



49.8011, 0.3764, 0.3846



49.8011, 0.2433, 0.2917



49.8011, 0.3769, 0.3292

Square

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



49.8011, 0.2433, 0.2917



49.8011, 0.3103, 0.2787



49.8011, 0.3874, 0.3596



49.8011, 0.3116, 0.3875

Rectangle

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



49.8011, 0.2433, 0.2917



49.8011, 0.2658, 0.2681



49.8011, 0.3874, 0.3596



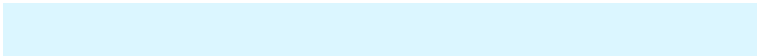
49.8011, 0.3591, 0.3943

Sweetspot

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



49.8030, 0.2433, 0.2917



88.0218, 0.2910, 0.3194



60.3996, 0.2918, 0.4407



18.4736, 0.2877, 0.3178



0.0000, 0.0000, 0.0000



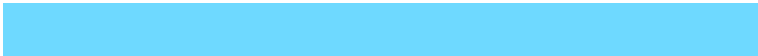
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8030, 0.2433, 0.2917



60.0908, 0.2312, 0.2822



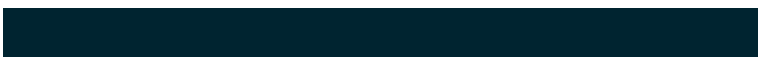
29.9172, 0.2296, 0.2174



14.9326, 0.2982, 0.3227



19.0549, 0.2006, 0.2420



1.4640, 0.2047, 0.2570

Inverse Universe

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



33.4589, 0.3466, 0.2408



37.3414, 0.3565, 0.2245



58.4823, 0.3956, 0.4191



13.8711, 0.3178, 0.3119



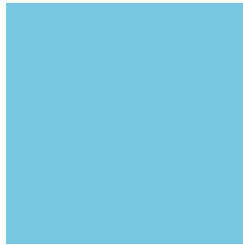
10.8316, 0.4003, 0.1979



0.7652, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 49.8011, 0.2433, 0.2917 looks on a white background.

Color Contrast Check

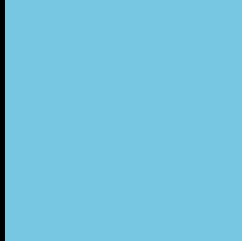
Large Text (above 18pt) WCAG AA × Fail

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 49.8011, 0.2433, 0.2917 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 49.8011, 0.2433, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 49.8011, 0.2433, 0.2917.



This preview shows how white text looks on a background with the Yxy color 49.8011, 0.2433, 0.2917.

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

49.8011, 0.2433, 0.2917

Protanopia

49.4110, 0.2852, 0.2894

Deuteranopia

49.1803, 0.2792, 0.2724



Tritanopia

49.9794, 0.2474, 0.3071

Trichromacy



Original Color

49.8011, 0.2433, 0.2917

Protanomaly

49.2633, 0.2680, 0.2906

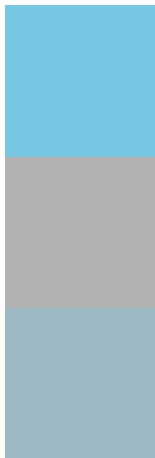
Deuteranomaly

49.0415, 0.2642, 0.2787

Tritanomaly

49.7961, 0.2456, 0.3006

Monochromacy



Original Color

49.8011, 0.2433, 0.2917

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.8062, 0.2831, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8011, 0.2433, 0.2917 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(119, 198, 226)` looks like.

```
.text, #text, p{  
    color:rgb(119, 198, 226)  
}
```

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(119, 198, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 198, 226) }
```

Border

The CSS property to change the border of an element to Yxy 49.8011, 0.2433, 0.2917 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(119, 198, 226) }
```

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

```
.border{ border-color:rgb(119, 198, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 198, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 198, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 198, 226);  
box-shadow:4px 4px 4px 4px rgb(119, 198,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8011, 0.2433, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 198, 226) }
```

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

```
.background{ background-color: rgb(119,  
198, 226) }
```

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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