

Converting Colors

$Y_{xy}(48.9783, 0.2390, 0.2674)$

Have a look what the booklet for
Yxy(48.9783, 0.2390, 0.2674)
contains.

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Color

Yxy(49.0800, 0.2392, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	80C1F1
RGB	128, 193, 241
RGB Percent	50%, 76%, 95%
CMY	0.4979, 0.2432, 0.0548
CMYK	0.47, 0.20, 0.00, 0.05
HSL	206°, 80%, 72%
HSV	206°, 47%, 95%
XYZ	43.8548, 49.0800, 90.4047
YIQ	179.0370, -54.1480, 1.1480

Conversions

Conversions Part 2

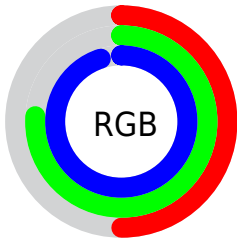
Format	Color
R _Y B	128, 169, 241
Decimal	8438257
CIE Lab	75.50, -8.04, -30.22
CIE LCh	76, 31.268, 255.105
Yxy	49.0800, 0.2392, 0.2677
Android (android.graphics.Color)	4286628337 (0xFF80C1F1)
YUV	179.0370, 30.5478, -44.7594
Hunter-Lab	70.0571, -10.8613, -27.4704

Details

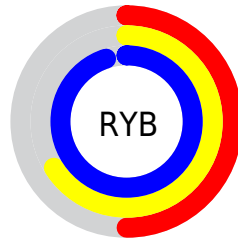
The Yxy color **49.0800, 0.2392, 0.2677** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.3389, 0.4144, 0.3818**, and the grayscale version is **44.9598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2857, 0.2720, 0.3224**, and **23.5610, 0.2208, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **43.0552, 0.2249, 0.2517**, and if you desaturate by 10%, it is **55.8662, 0.2545, 0.2829**.

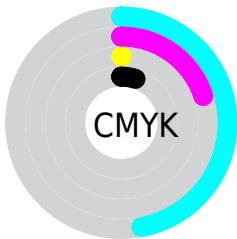
Distribution



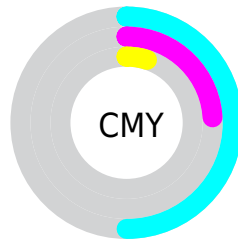
- Red (50%)
- Green (76%)
- Blue (95%)



- Red (50%)
- Yellow (66%)
- Blue (95%)



- Cyan (47%)
- Magenta (20%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0800, 0.2392, 0.2677 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 49.0800, 0.2392, 0.2677 by changing the saturation by 10% instead.

■ 49.0800, 0.2392,
0.2677

■ 49.0800, 0.2392,
0.2677

■ 383.0572, 0.2745,
0.2979

■ 34.6829, 0.2309,
0.2604

■ 88.8103, 0.2516,
0.2785

■ 23.4187, 0.2206,
0.2513

■ 114.9123, 0.2564,
0.2826

■ 14.9030, 0.2075,
0.2394

■ 145.6847, 0.2605,
0.2861

■ 8.7513, 0.1903,
0.2236

■ 181.5119, 0.2641,
0.2891

■ 4.5794, 0.1669,
0.2016

■ 222.7784, 0.2672,
0.2917

■ 2.0026, 0.1342,
0.1696

■ 269.8685, 0.2699,

■ 0.6090, 0.0745,

0.2940

0.1185

323.1666, 0.2723,
0.2961

0.0000, 0.0000,
0.0000

49.0800, 0.2392,
0.2677

49.0800, 0.2392,
0.2677

43.0552, 0.2249,
0.2517

55.8662, 0.2545,
0.2829

37.7480, 0.2120,
0.2352

63.4432, 0.2703,
0.2970

33.1177, 0.2009,
0.2184

71.8451, 0.2863,
0.3099

29.1149, 0.1920,
0.2019

81.1023, 0.3021,
0.3216

25.6787, 0.1854,
0.1859

91.2430, 0.3174,
0.3321

■ 24.6962, 0.1836,
0.1810

■ 98.7935, 0.3209,
0.3419

■ 99.1327, 0.3208,
0.3424

Harmonies

Analogous

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



49.0800, 0.2342, 0.2929



49.0800, 0.2392, 0.2677



49.0800, 0.2624, 0.2596

Triad

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



49.0800, 0.2392, 0.2677



49.0800, 0.3807, 0.3211



49.0800, 0.3207, 0.4013

Complementary

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



49.0800, 0.2392, 0.2677



51.3389, 0.4144, 0.3818

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.



49.0800, 0.3617, 0.4051



49.0800, 0.2392, 0.2677



49.0800, 0.3982, 0.3558

Square

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



49.0800, 0.2392, 0.2677



49.0800, 0.3438, 0.2899



49.0800, 0.3906, 0.3868



49.0800, 0.2793, 0.3733

Rectangle

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



49.0800, 0.2392, 0.2677



49.0800, 0.2863, 0.2635



49.0800, 0.3906, 0.3868



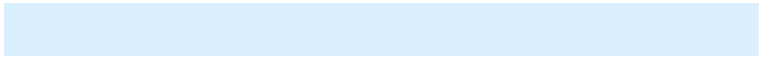
49.0800, 0.3350, 0.4054

Sweetspot

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



49.0818, 0.2392, 0.2677



84.5440, 0.2908, 0.3134



70.6196, 0.2823, 0.4143



17.6234, 0.2874, 0.3107



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.



49.0818, 0.2392, 0.2677



49.3958, 0.2259, 0.2529



28.9604, 0.2256, 0.1933



16.7379, 0.2980, 0.3187



13.6613, 0.1843, 0.1836



1.3333, 0.1902, 0.2045

Inverse Universe

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



38.0007, 0.3659, 0.2592



36.8011, 0.3815, 0.2471



77.7615, 0.3862, 0.4356



15.9112, 0.3203, 0.3155



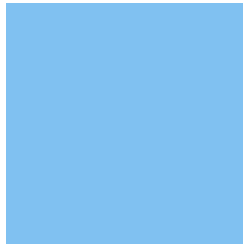
11.1725, 0.4643, 0.2331



0.9493, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 49.0800, 0.2392, 0.2677 looks on a white background.

Color Contrast Check

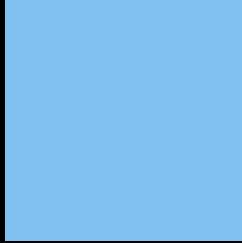
Large Text (above 18pt) WCAG AA × Fail

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 49.0800, 0.2392, 0.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

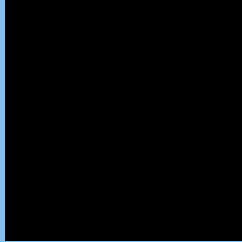
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0800, 0.2392, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 49.0800, 0.2392, 0.2677.



This preview shows how white text looks on a background with the Yxy color 49.0800, 0.2392, 0.2677.

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

49.0800, 0.2392, 0.2677

Protanopia

48.6917, 0.2688, 0.2670

Deuteranopia

48.6976, 0.2625, 0.2561



Tritanopia

49.2363, 0.2500, 0.3071

Trichromacy



Original Color

49.0800, 0.2392, 0.2677

Protanomaly

48.8232, 0.2568, 0.2670

Deuteranomaly

48.5965, 0.2532, 0.2602

Tritanomaly

49.0726, 0.2458, 0.2917

Monochromacy



Original Color

49.0800, 0.2392, 0.2677

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.0188, 0.2804, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0800, 0.2392, 0.2677 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, 193, 241)` looks like.

```
.text, #text, p{  
    color:rgb(128, 193, 241)  
}
```

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, 193, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 193, 241) }
```

Border

The CSS property to change the border of an element to Yxy 49.0800, 0.2392, 0.2677 is called "border". The border property can be set on classes, ids or directly on the HTML element.

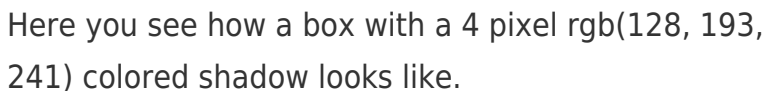
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 193, 241) }
```

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

```
.border{ border-color:rgb(128, 193, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 193, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 193, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 193, 241); box-shadow:4px 4px 4px 4px rgb(128, 193, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0800, 0.2392, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 193, 241) }
```

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

```
.background{ background-color: rgb(128,  
193, 241) }
```

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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