

Converting Colors

$Y_{xy}(50.9821, 0.2476, 0.2923)$

Have a look what the booklet for
Yxy(50.9821, 0.2476, 0.2923)
contains.

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Color

Yxy(50.9821, 0.2476, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	80C7E3
RGB	128, 199, 227
RGB Percent	50%, 78%, 89%
CMY	0.4983, 0.2196, 0.1097
CMYK	0.44, 0.12, 0.00, 0.11
HSL	197°, 64%, 70%
HSV	197°, 44%, 89%
XYZ	43.1857, 50.9821, 80.2493
YIQ	180.9630, -51.3040, -6.3440

Conversions

Conversions Part 2

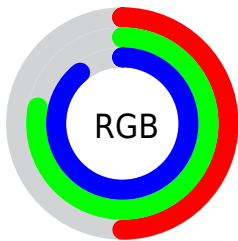
Format	Color
R _Y B	128, 169, 227
Decimal	8439779
CIE Lab	76.67, -15.04, -20.89
CIE LCh	77, 25.739, 234.235
Yxy	50.9821, 0.2476, 0.2923
Android (android.graphics.Color)	4286629859 (0xFF80C7E3)
YUV	180.9630, 22.6962, -46.4486
Hunter-Lab	71.4018, -16.9916, -16.6555

Details

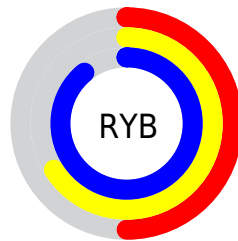
The Yxy color **50.9821, 0.2476, 0.2923** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.6508, 0.4125, 0.3620**, and the grayscale version is **46.0781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **24.5689, 0.2307, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **46.5258, 0.2348, 0.2822**, and if you desaturate by 10%, it is **55.9606, 0.2616, 0.3019**.

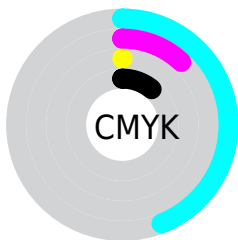
Distribution



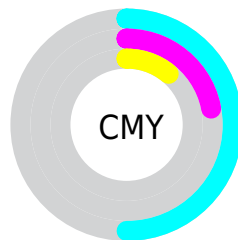
- Red (50%)
- Green (78%)
- Blue (89%)



- Red (50%)
- Yellow (66%)
- Blue (89%)



- Cyan (44%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)





- Cyan (50%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9821, 0.2476, 0.2923 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 50.9821, 0.2476, 0.2923 by changing the saturation by 10% instead.

 50.9821, 0.2476,
0.2923

 50.9821, 0.2476,
0.2923


390.4942, 0.2788,
0.3108


 36.1944, 0.2402,
0.2877


 91.6283, 0.2586,
0.2990

 24.5843, 0.2310,
0.2818


 118.2556, 0.2629,
0.3016

 15.7676, 0.2192,
0.2739


 149.5981, 0.2665,
0.3037

 9.3599, 0.2036,
0.2632

186.0404, 0.2696,
0.3055

 4.9767, 0.1821,
0.2475

227.9667, 0.2724,
0.3071

 2.2336, 0.1511,
0.2231

275.7616, 0.2748,

 0.7382, 0.0834,

0.3085

0.1842

329.8093, 0.2769,
0.3097

0.0000, 0.0000,
0.0000

50.9821, 0.2476,
0.2923

50.9821, 0.2476,
0.2923

46.5258, 0.2348,
0.2822

55.9606, 0.2616,
0.3019

42.5577, 0.2234,
0.2718

61.4810, 0.2764,
0.3108

39.0483, 0.2139,
0.2611

67.5689, 0.2917,
0.3190

35.9616, 0.2063,
0.2503

74.2464, 0.3071,
0.3265

33.2540, 0.2008,
0.2397

81.5342, 0.3224,
0.3332

■ 31.6864, 0.1981,
0.2330

■ 87.6742, 0.3311,
0.3394

■ 91.4678, 0.3304,
0.3456

■ 95.3958, 0.3297,
0.3518

■ 98.3270, 0.3291,
0.3562

Harmonies

Analogous

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



50.9821, 0.2547, 0.3213



50.9821, 0.2476, 0.2923



50.9821, 0.2566, 0.2753

Triad

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



50.9821, 0.2476, 0.2923



50.9821, 0.3483, 0.3042



50.9821, 0.3435, 0.3917

Complementary

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



50.9821, 0.2476, 0.2923



41.6508, 0.4125, 0.3620

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.



50.9821, 0.3707, 0.3826



50.9821, 0.2476, 0.2923



50.9821, 0.3742, 0.3317

Square

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



50.9821, 0.2476, 0.2923



50.9821, 0.3134, 0.2830



50.9821, 0.3824, 0.3601



50.9821, 0.3090, 0.3819

Rectangle

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



50.9821, 0.2476, 0.2923



50.9821, 0.2708, 0.2718



50.9821, 0.3824, 0.3601



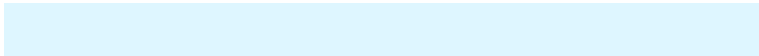
50.9821, 0.3539, 0.3906

Sweetspot

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



50.9841, 0.2476, 0.2923



88.4121, 0.2925, 0.3194



61.8778, 0.2921, 0.4281



18.5311, 0.2891, 0.3177



0.0000, 0.0000, 0.0000



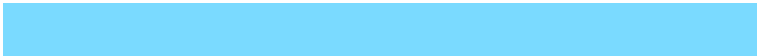
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9841, 0.2476, 0.2923



61.2795, 0.2364, 0.2836



32.2846, 0.2362, 0.2254



15.6116, 0.2981, 0.3222



18.6838, 0.1985, 0.2346



1.5364, 0.2028, 0.2500

Inverse Universe

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



35.8814, 0.3453, 0.2493



40.3142, 0.3543, 0.2348



61.0291, 0.3878, 0.4142



14.5421, 0.3181, 0.3123



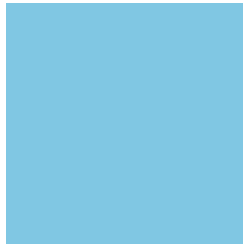
11.0839, 0.4079, 0.2021



0.8348, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 50.9821, 0.2476, 0.2923 looks on a white background.

Color Contrast Check

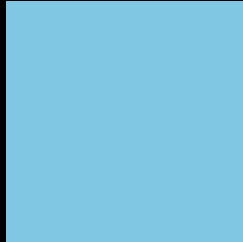
Large Text (above 18pt) WCAG AA × Fail

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 50.9821, 0.2476, 0.2923 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 50.9821, 0.2476, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 50.9821, 0.2476, 0.2923.



This preview shows how white text looks on a background with the Yxy color 50.9821, 0.2476, 0.2923.

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

50.9821, 0.2476, 0.2923

Protanopia

50.6002, 0.2855, 0.2898

Deuteranopia

50.4333, 0.2809, 0.2741



Tritanopia

51.1430, 0.2517, 0.3075

Trichromacy



Original Color

50.9821, 0.2476, 0.2923

Protanomaly

50.2169, 0.2696, 0.2898

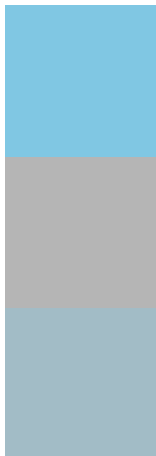
Deuteranomaly

50.0517, 0.2671, 0.2793

Tritanomaly

50.9646, 0.2499, 0.3011

Monochromacy



Original Color

50.9821, 0.2476, 0.2923

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.7250, 0.2850, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9821, 0.2476, 0.2923 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, 199, 227)` looks like.

```
.text, #text, p{  
    color:rgb(128, 199, 227)  
}
```

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, 199, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 199, 227) }
```

Border

The CSS property to change the border of an element to Yxy 50.9821, 0.2476, 0.2923 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, 199, 227) }
```

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

```
.border{ border-color:rgb(128, 199, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 199, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 199, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 199, 227);  
box-shadow:4px 4px 4px 4px rgb(128, 199,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9821, 0.2476, 0.2923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 199, 227) }
```

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

```
.background{ background-color: rgb(128,  
199, 227) }
```

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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