

Converting Colors

$Yxy(50.4698, 0.2418, 0.2694)$

Have a look what the booklet for
Yxy(50.4698, 0.2418, 0.2694)
contains.

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Color

Yxy(50.4276, 0.2418, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	85C3F2
RGB	133, 195, 242
RGB Percent	52%, 76%, 95%
CMY	0.4785, 0.2353, 0.0511
CMYK	0.45, 0.19, 0.00, 0.05
HSL	206°, 81%, 74%
HSV	206°, 45%, 95%
XYZ	45.2110, 50.4276, 91.3381
YIQ	181.8200, -52.0390, 1.4730

Conversions

Conversions Part 2

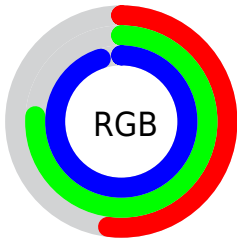
Format	Color
R _Y B	133, 173, 242
Decimal	8766450
CIE Lab	76.33, -7.67, -29.43
CIE LCh	76, 30.415, 255.389
Yxy	50.4276, 0.2418, 0.2697
Android (android.graphics.Color)	4286956530 (0xFF85C3F2)
YUV	181.8200, 29.6687, -42.8151
Hunter-Lab	71.0124, -10.6274, -26.5517

Details

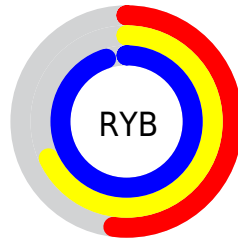
The Yxy color **50.4276, 0.2418, 0.2697** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.1947, 0.4089, 0.3805**, and the grayscale version is **46.5327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1615, 0.2748, 0.3246**, and **24.1314, 0.2238, 0.2527** is the 20% darker color. If you saturate the color by 10%, you get **44.1701, 0.2272, 0.2536**, and if you desaturate by 10%, it is **57.4690, 0.2573, 0.2849**.

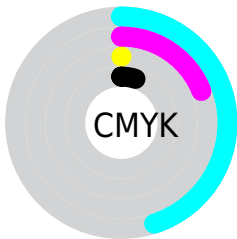
Distribution



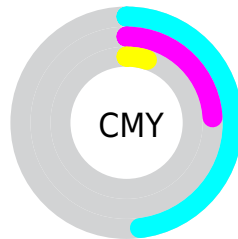
- Red (52%)
- Green (76%)
- Blue (95%)



- Red (52%)
- Yellow (68%)
- Blue (95%)



- Cyan (45%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (24%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4276, 0.2418, 0.2697 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 50.4276, 0.2418, 0.2697 by changing the saturation by 10% instead.

■ 50.4276, 0.2418,
0.2697

■ 50.4276, 0.2418,
0.2697

■ 388.3358, 0.2757,
0.2988

■ 35.7533, 0.2339,
0.2627

■ 90.8081, 0.2537,
0.2801

■ 24.2437, 0.2240,
0.2539

■ 117.2831, 0.2583,
0.2840

■ 15.5145, 0.2114,
0.2426

■ 148.4604, 0.2623,
0.2874

■ 9.1813, 0.1949,
0.2275

■ 184.7244, 0.2657,
0.2903

■ 4.8596, 0.1725,
0.2064

■ 226.4596, 0.2687,
0.2928

■ 2.1651, 0.1410,
0.1759

■ 274.0503, 0.2713,

■ 0.7009, 0.0879,

0.2951

0.1287

327.8809, 0.2736,
0.2970

0.0000, 0.0000,
0.0000

50.4276, 0.2418,
0.2697

50.4276, 0.2418,
0.2697

44.1701, 0.2272,
0.2536

57.4690, 0.2573,
0.2849

38.6525, 0.2139,
0.2369

65.3235, 0.2732,
0.2990

33.8342, 0.2024,
0.2199

74.0255, 0.2892,
0.3119

29.6668, 0.1930,
0.2031

83.6054, 0.3050,
0.3236

26.0920, 0.1859,
0.1867

94.0919, 0.3202,
0.3340

■ 24.4982, 0.1830,
0.1789

■ 99.1896, 0.3203,
0.3415

Harmonies

Analogous

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



50.4276, 0.2368, 0.2940



50.4276, 0.2418, 0.2697



50.4276, 0.2644, 0.2619

Triad

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



50.4276, 0.2418, 0.2697



50.4276, 0.3785, 0.3218



50.4276, 0.3201, 0.3984

Complementary

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



50.4276, 0.2418, 0.2697



53.1947, 0.4089, 0.3805

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.



50.4276, 0.3597, 0.4024



50.4276, 0.2418, 0.2697



50.4276, 0.3951, 0.3554

Square

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



50.4276, 0.2418, 0.2697



50.4276, 0.3431, 0.2914



50.4276, 0.3877, 0.3852



50.4276, 0.2802, 0.3712

Rectangle

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



50.4276, 0.2418, 0.2697



50.4276, 0.2876, 0.2657



50.4276, 0.3877, 0.3852



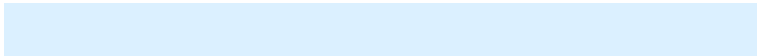
50.4276, 0.3339, 0.4024

Sweetspot

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



50.4295, 0.2418, 0.2697



84.4198, 0.2908, 0.3131



71.7087, 0.2832, 0.4103



17.5931, 0.2874, 0.3105



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.



50.4295, 0.2418, 0.2697



50.3468, 0.2284, 0.2551



30.7637, 0.2294, 0.1995



16.7218, 0.2980, 0.3186



13.4399, 0.1838, 0.1815



1.3153, 0.1896, 0.2027

Inverse Universe

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



39.5871, 0.3637, 0.2625



38.0224, 0.3789, 0.2503



78.7866, 0.3834, 0.4318



15.9096, 0.3204, 0.3156



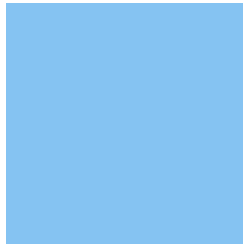
11.1501, 0.4668, 0.2345



0.9475, 0.4422, 0.2210

Previews

White Background



This preview shows how the Yxy color 50.4276, 0.2418, 0.2697 looks on a white background.

Color Contrast Check

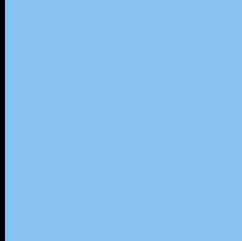
Large Text (above 18pt) WCAG AA × Fail

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 50.4276, 0.2418, 0.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

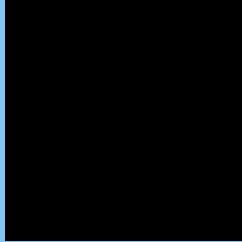
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

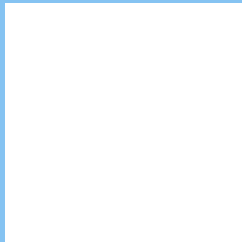
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4276, 0.2418, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 50.4276, 0.2418, 0.2697.



This preview shows how white text looks on a background with the Yxy color 50.4276, 0.2418, 0.2697.

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

50.4276, 0.2418, 0.2697

Protanopia

50.2299, 0.2699, 0.2699

Deuteranopia

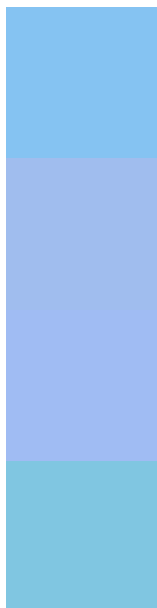
49.9266, 0.2642, 0.2579



Tritanopia

50.6264, 0.2520, 0.3074

Trichromacy



Original Color

50.4276, 0.2418, 0.2697

Protanomaly

50.0418, 0.2585, 0.2688

Deuteranomaly

49.9111, 0.2555, 0.2621

Tritanomaly

50.4136, 0.2484, 0.2934

Monochromacy



Original Color

50.4276, 0.2418, 0.2697

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.7928, 0.2823, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4276, 0.2418, 0.2697 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(133, 195, 242)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 242)  
}
```

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(133, 195, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 242) }
```

Border

The CSS property to change the border of an element to Yxy 50.4276, 0.2418, 0.2697 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(133, 195, 242) }
```

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

```
.border{ border-color:rgb(133, 195, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 195, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 195, 242); box-shadow:4px 4px 4px 4px rgb(133, 195, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4276, 0.2418, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 242) }
```

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

```
.background{ background-color: rgb(133,  
195, 242) }
```

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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