

Converting Colors

$Y_{xy}(48.9176, 0.2586, 0.2727)$

Have a look what the booklet for
Yxy(48.9176, 0.2586, 0.2727)
contains.

Yxy(48.9176, 0.2586, 0.2727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.9176, 0.2586, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	9CBCE9
RGB	156, 188, 233
RGB Percent	61%, 74%, 91%
CMY	0.3885, 0.2626, 0.0863
CMYK	0.33, 0.19, 0.00, 0.09
HSL	215°, 64%, 76%
HSV	215°, 33%, 91%
XYZ	46.3883, 48.9176, 84.0766
YIQ	183.5620, -33.5170, 7.2110

Conversions

Conversions Part 2

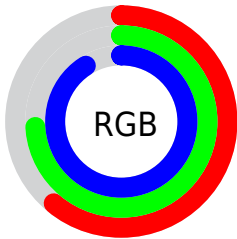
Format	Color
R _Y B	156, 179, 233
Decimal	10271977
CIE Lab	75.40, -0.30, -25.90
CIE LCh	75, 25.901, 269.335
Yxy	48.9176, 0.2586, 0.2727
Android (android.graphics.Color)	4288462057 (0xFF9CBCE9)
YUV	183.5620, 24.3729, -24.1719
Hunter-Lab	69.9411, -4.0072, -22.3140

Details

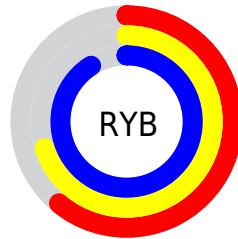
The Yxy color **48.9176, 0.2586, 0.2727** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.4387, 0.3732, 0.3793**, and the grayscale version is **47.5494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9184, 0.2866, 0.3175**, and **23.3271, 0.2444, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **41.2773, 0.2414, 0.2520**, and if you desaturate by 10%, it is **57.5545, 0.2757, 0.2918**.

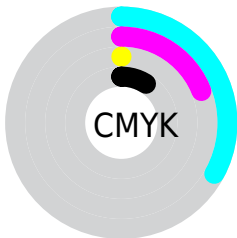
Distribution



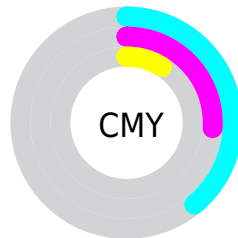
- Red (61%)
- Green (74%)
- Blue (91%)



- Red (61%)
- Yellow (70%)
- Blue (91%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (39%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9176, 0.2586, 0.2727 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 48.9176, 0.2586, 0.2727 by changing the saturation by 10% instead.

■ 48.9176, 0.2586,
0.2727

■ 48.9176, 0.2586,
0.2727

■ 382.4178, 0.2850,
0.3001

■ 34.5541, 0.2523,
0.2661

■ 88.5691, 0.2680,
0.2825

■ 23.3196, 0.2443,
0.2578

■ 114.6258, 0.2716,
0.2862

■ 14.8297, 0.2341,
0.2471

■ 145.3491, 0.2746,
0.2894

■ 8.6999, 0.2203,
0.2328

■ 181.1234, 0.2773,
0.2921

■ 4.5460, 0.2011,
0.2127

■ 222.3330, 0.2796,
0.2945

■ 1.9834, 0.1728,
0.1831

■ 269.3624, 0.2816,

■ 0.5978, 0.1238,

0.2966

0.1320

322.5958, 0.2834,
0.2985

0.0000, 0.0000,
0.0000

48.9176, 0.2586,
0.2727

48.9176, 0.2586,
0.2727

41.2773, 0.2414,
0.2520

57.5545, 0.2757,
0.2918

34.5873, 0.2246,
0.2301

67.2202, 0.2922,
0.3091

28.8056, 0.2089,
0.2073

77.9525, 0.3080,
0.3246

23.8840, 0.1948,
0.1845

89.7852, 0.3229,
0.3383

19.7689, 0.1830,
0.1623

98.6624, 0.3256,
0.3503

■ 16.3976, 0.1739,
0.1417

■ 14.4414, 0.1691,
0.1286

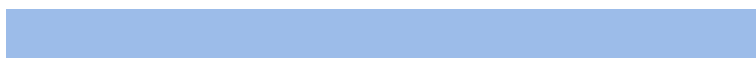
Harmonies

Analogous

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



48.9176, 0.2468, 0.2876



48.9176, 0.2586, 0.2727



48.9176, 0.2846, 0.2723

Triad

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



48.9176, 0.2586, 0.2727



48.9176, 0.3783, 0.3367



48.9176, 0.3029, 0.3794

Complementary

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



48.9176, 0.2586, 0.2727



61.4387, 0.3732, 0.3793

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.



48.9176, 0.3384, 0.3927



48.9176, 0.2586, 0.2727



48.9176, 0.3832, 0.3652

Square

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



48.9176, 0.2586, 0.2727



48.9176, 0.3545, 0.3081



48.9176, 0.3681, 0.3864



48.9176, 0.2712, 0.3499

Rectangle

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



48.9176, 0.2586, 0.2727



48.9176, 0.3075, 0.2795



48.9176, 0.3681, 0.3864



48.9176, 0.3147, 0.3860

Sweetspot

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



48.9195, 0.2586, 0.2727



86.3525, 0.2971, 0.3140



69.5414, 0.2828, 0.3685



18.0956, 0.2949, 0.3117



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.



48.9195, 0.2586, 0.2727



53.2419, 0.2463, 0.2581



37.3512, 0.2581, 0.2320



15.5799, 0.2980, 0.3149



8.4272, 0.1699, 0.1314



0.8477, 0.1774, 0.1586

Inverse Universe

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



44.7044, 0.3575, 0.2929



48.0047, 0.3713, 0.2850



76.9277, 0.3578, 0.4128



15.1581, 0.3228, 0.3192



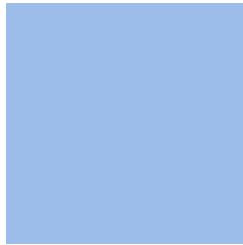
10.3435, 0.5307, 0.2697



0.8310, 0.4948, 0.2500

Previews

White Background



This preview shows how the Yxy color 48.9176, 0.2586, 0.2727 looks on a white background.

Color Contrast Check

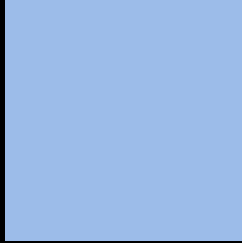
Large Text (above 18pt) WCAG AA × Fail

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 48.9176, 0.2586, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

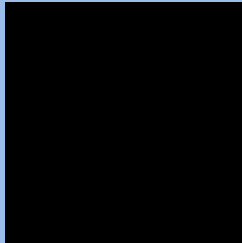
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

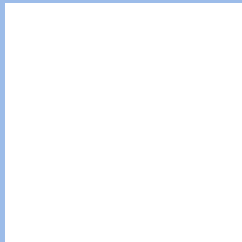
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9176, 0.2586, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 48.9176, 0.2586, 0.2727.



This preview shows how white text looks on a background with the Yxy color 48.9176, 0.2586, 0.2727.

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

48.9176, 0.2586, 0.2727

Protanopia

48.5788, 0.2720, 0.2715

Deuteranopia

48.8614, 0.2722, 0.2664



Tritanopia

48.7374, 0.2703, 0.3077

Trichromacy



Original Color

48.9176, 0.2586, 0.2727

Protanomaly

48.6829, 0.2667, 0.2722

Deuteranomaly

48.7675, 0.2668, 0.2679

Tritanomaly

48.9468, 0.2660, 0.2952

Monochromacy



Original Color

48.9176, 0.2586, 0.2727

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9609, 0.2911, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9176, 0.2586, 0.2727 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(156, 188, 233)` looks like.

```
.text, #text, p{  
    color:rgb(156, 188, 233)  
}
```

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(156, 188, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 188, 233) }
```

Border

The CSS property to change the border of an element to Yxy 48.9176, 0.2586, 0.2727 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(156, 188, 233) }
```

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

```
.border{ border-color:rgb(156, 188, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 188, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 188, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 188, 233); box-shadow:4px 4px 4px 4px rgb(156, 188, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9176, 0.2586, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 188, 233) }
```

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

```
.background{ background-color: rgb(156,  
188, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor