

Converting Colors

$Y_{xy}(48.6286, 0.2538, 0.2965)$

Have a look what the booklet for
Yxy(48.6286, 0.2538, 0.2965)
contains.

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Color

Yxy(48.6321, 0.2541, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	85C2DA
RGB	133, 194, 218
RGB Percent	52%, 76%, 85%
CMY	0.4785, 0.2392, 0.1450
CMYK	0.39, 0.11, 0.00, 0.14
HSL	197°, 53%, 69%
HSV	197°, 39%, 86%
XYZ	41.6215, 48.6321, 73.5460
YIQ	178.4970, -44.0600, -5.4680

Conversions

Conversions Part 2

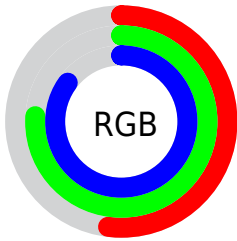
Format	Color
R _{YB}	133, 169, 218
Decimal	8766170
CIE Lab	75.22, -13.51, -18.20
CIE LCh	75, 22.666, 233.421
Yxy	48.6321, 0.2541, 0.2969
Android (android.graphics.Color)	4286956250 (0xFF85C2DA)
YUV	178.4970, 19.4750, -39.9009
Hunter-Lab	69.7367, -15.5038, -13.7130

Details

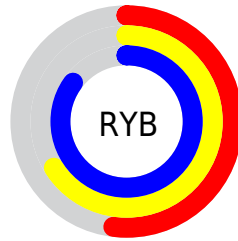
The Yxy color **48.6321, 0.2541, 0.2969** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.7257, 0.3980, 0.3585**, and the grayscale version is **44.7107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0332, 0.2743, 0.3246**, and **23.0202, 0.2384, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **44.3538, 0.2407, 0.2871**, and if you desaturate by 10%, it is **53.3963, 0.2685, 0.3061**.

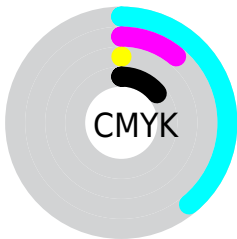
Distribution



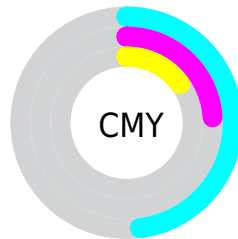
- Red (52%)
- Green (76%)
- Blue (85%)



- Red (52%)
- Yellow (66%)
- Blue (85%)



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)





- Cyan (48%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6321, 0.2541, 0.2969 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 48.6321, 0.2541, 0.2969 by changing the saturation by 10% instead.


 48.6321, 0.2541,
0.2969


 48.6321, 0.2541,
0.2969


381.2922, 0.2825,
0.3132


 34.3277, 0.2473,
0.2928


 88.1448, 0.2642,
0.3029

 23.1455, 0.2387,
0.2875

 114.1219, 0.2681,
0.3051

 14.7010, 0.2276,
0.2804


 144.7587, 0.2714,
0.3070

 8.6098, 0.2127,
0.2705

180.4396, 0.2742,
0.3086

 4.4875, 0.1919,
0.2559

221.5491, 0.2767,
0.3100

 1.9499, 0.1609,
0.2325

268.4713, 0.2789,

 0.5781, 0.0724,

0.3112

0.1904

321.5909, 0.2808,
0.3123

0.0000, 0.0000,
0.0000

48.6321, 0.2541,
0.2969

48.6321, 0.2541,
0.2969

44.3538, 0.2407,
0.2871

53.3963, 0.2685,
0.3061

40.5312, 0.2286,
0.2768

58.6629, 0.2835,
0.3147

37.1395, 0.2182,
0.2662

64.4546, 0.2989,
0.3226

34.1481, 0.2097,
0.2555

70.7908, 0.3142,
0.3297

31.5212, 0.2032,
0.2448

77.6898, 0.3294,
0.3361

■ 29.2030, 0.1986,
0.2343

■ 83.4593, 0.3379,
0.3420

■ 28.9820, 0.1981,
0.2333

■ 86.9688, 0.3370,
0.3480

■ 90.6009, 0.3362,
0.3540

■ 94.3569, 0.3353,
0.3599

Harmonies

Analogous

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



48.6321, 0.2610, 0.3232



48.6321, 0.2541, 0.2969



48.6321, 0.2618, 0.2810

Triad

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



48.6321, 0.2541, 0.2969



48.6321, 0.3438, 0.3061



48.6321, 0.3413, 0.3849

Complementary

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



48.6321, 0.2541, 0.2969



40.7257, 0.3980, 0.3585

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.



48.6321, 0.3652, 0.3767



48.6321, 0.2541, 0.2969



48.6321, 0.3672, 0.3309

Square

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



48.6321, 0.2541, 0.2969



48.6321, 0.3126, 0.2871



48.6321, 0.3750, 0.3565



48.6321, 0.3104, 0.3765

Rectangle

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



48.6321, 0.2541, 0.2969



48.6321, 0.2745, 0.2775



48.6321, 0.3750, 0.3565



48.6321, 0.3504, 0.3839

Sweetspot

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



48.6340, 0.2541, 0.2969



89.2576, 0.2941, 0.3202



57.5357, 0.2940, 0.4153



18.8692, 0.2921, 0.3192



0.0000, 0.0000, 0.0000



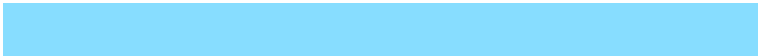
21.4041, 0.3127, 0.3290

Same Dimension

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



48.6340, 0.2541, 0.2969



64.1657, 0.2428, 0.2887



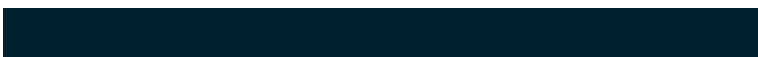
32.7776, 0.2453, 0.2386



14.1752, 0.2982, 0.3222



17.5481, 0.1986, 0.2348



1.2802, 0.2033, 0.2520

Inverse Universe

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



35.5783, 0.3408, 0.2577



43.8573, 0.3490, 0.2430



57.0796, 0.3791, 0.4052



13.2088, 0.3181, 0.3124



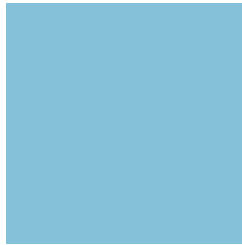
10.3953, 0.4076, 0.2019



0.6879, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 48.6321, 0.2541, 0.2969 looks on a white background.

Color Contrast Check

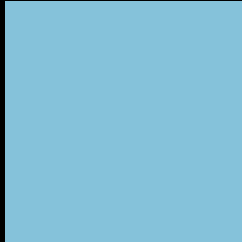
Large Text (above 18pt) WCAG AA × Fail

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 48.6321, 0.2541, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

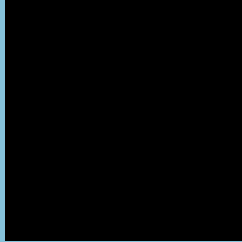
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6321, 0.2541, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 48.6321, 0.2541, 0.2969.



This preview shows how white text looks on a background with the Yxy color 48.6321, 0.2541, 0.2969.

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

48.6321, 0.2541, 0.2969

Protanopia

48.2734, 0.2893, 0.2939

Deuteranopia

48.1773, 0.2860, 0.2790



Tritanopia

48.5587, 0.2571, 0.3072

Trichromacy



Original Color

48.6321, 0.2541, 0.2969

Protanomaly

48.1822, 0.2749, 0.2943

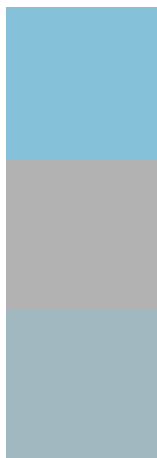
Deuteranomaly

47.9722, 0.2729, 0.2847

Tritanomaly

48.7908, 0.2560, 0.3034

Monochromacy



Original Color

48.6321, 0.2541, 0.2969

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.8126, 0.2882, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6321, 0.2541, 0.2969 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, 194, 218)` looks like.

```
.text, #text, p{  
    color:rgb(133, 194, 218)  
}
```

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, 194, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 194, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.6321, 0.2541, 0.2969 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, 194, 218) }
```

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

```
.border{ border-color:rgb(133, 194, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 194, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 194, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 194, 218);  
box-shadow:4px 4px 4px 4px rgb(133, 194,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6321, 0.2541, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 194, 218) }
```

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

```
.background{ background-color: rgb(133,  
194, 218) }
```

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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