

Converting Colors

$Yxy(48.2466, 0.2578, 0.3049)$

Have a look what the booklet for
Yxy(48.2466, 0.2578, 0.3049)
contains.

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Color

Yxy(48.3236, 0.2575, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	85C2D4
RGB	133, 194, 212
RGB Percent	52%, 76%, 83%
CMY	0.4784, 0.2392, 0.1686
CMYK	0.37, 0.08, 0.00, 0.17
HSL	194°, 48%, 68%
HSV	194°, 37%, 83%
XYZ	40.8514, 48.3236, 69.4711
YIQ	177.8130, -42.1340, -7.3340

Conversions

Conversions Part 2

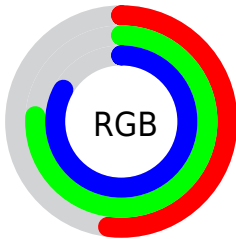
Format	Color
RYB	133, 167, 212
Decimal	8766164
CIELab	75.03, -15.03, -15.23
CIELCh	75, 21.399, 225.382
Yxy	48.3236, 0.2575, 0.3046
Android (android.graphics.Color)	4286956244 (0xFF85C2D4)
YUV	177.8130, 16.8542, -39.3010
Hunter-Lab	69.5152, -16.7540, -10.5918

Details

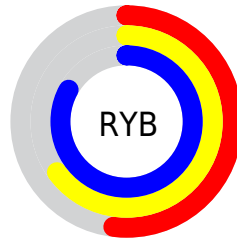
The Yxy color **48.3236, 0.2575, 0.3046** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8372, 0.3948, 0.3518**, and the grayscale version is **44.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0332, 0.2743, 0.3246**, and **22.8528, 0.2431, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **44.6528, 0.2445, 0.2969**, and if you desaturate by 10%, it is **52.4165, 0.2716, 0.3119**.

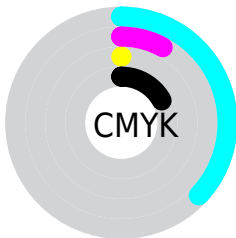
Distribution



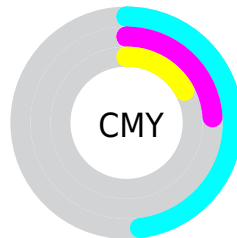
- Red (52%)
- Green (76%)
- Blue (83%)



- Red (52%)
- Yellow (65%)
- Blue (83%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3236, 0.2575, 0.3046 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 48.3236, 0.2575, 0.3046 by changing the saturation by 10% instead.

■ 48.3236, 0.2575,
0.3046

■ 48.3236, 0.2575,
0.3046

■ 380.0734, 0.2844,
0.3172

■ 34.0832, 0.2510,
0.3014

■ 87.6860, 0.2671,
0.3092

■ 22.9575, 0.2429,
0.2972

■ 113.5768, 0.2707,
0.3110

■ 14.5622, 0.2323,
0.2915

■ 144.1199, 0.2739,
0.3124

■ 8.5127, 0.2180,
0.2836

■ 179.6997, 0.2765,
0.3137

■ 4.4247, 0.1977,
0.2715

■ 220.7006, 0.2789,
0.3147

■ 1.9139, 0.1673,
0.2517

■ 267.5068, 0.2809,

■ 0.5567, 0.0629,

0.3156

0.2160

320.5030, 0.2828,
0.3165

0.0000, 0.0000,
0.0000

48.3236, 0.2575,
0.3046

48.3236, 0.2575,
0.3046

44.6528, 0.2445,
0.2969

52.4165, 0.2716,
0.3119

41.3767, 0.2329,
0.2888

56.9458, 0.2863,
0.3186

38.4731, 0.2230,
0.2805

61.9319, 0.3016,
0.3249

35.9150, 0.2149,
0.2720

67.3922, 0.3169,
0.3305

33.6707, 0.2089,
0.2636

73.3431, 0.3322,
0.3355

■ 31.6978, 0.2046,
0.2552

■ 78.7952, 0.3433,
0.3402

■ 31.1850, 0.2036,
0.2530

■ 81.4162, 0.3425,
0.3450

■ 84.1115, 0.3417,
0.3498

■ 86.8819, 0.3409,
0.3545

Harmonies

Analogous

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



48.3236, 0.2677, 0.3312



48.3236, 0.2575, 0.3046



48.3236, 0.2612, 0.2865

Triad

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



48.3236, 0.2575, 0.3046



48.3236, 0.3346, 0.3017



48.3236, 0.3468, 0.3812

Complementary

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



48.3236, 0.2575, 0.3046



37.8372, 0.3948, 0.3518

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.



48.3236, 0.3664, 0.3700



48.3236, 0.2575, 0.3046



48.3236, 0.3595, 0.3243

Square

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



48.3236, 0.2575, 0.3046



48.3236, 0.3046, 0.2859



48.3236, 0.3713, 0.3490



48.3236, 0.3186, 0.3775

Rectangle

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



48.3236, 0.2575, 0.3046



48.3236, 0.2711, 0.2809



48.3236, 0.3713, 0.3490



48.3236, 0.3547, 0.3790

Sweetspot

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



48.3255, 0.2575, 0.3046



91.0489, 0.2957, 0.3225



54.2890, 0.2971, 0.4164



19.2652, 0.2936, 0.3217



0.0000, 0.0000, 0.0000



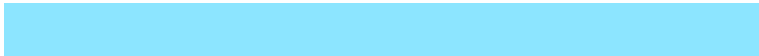
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3255, 0.2575, 0.3046



68.7620, 0.2467, 0.2983



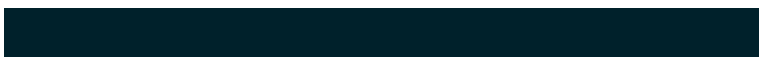
33.3182, 0.2495, 0.2493



13.6052, 0.2982, 0.3236



19.4063, 0.2039, 0.2542



1.2906, 0.2079, 0.2686

Inverse Universe

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



34.6741, 0.3347, 0.2563



45.7370, 0.3410, 0.2408



52.3613, 0.3774, 0.3974



12.5820, 0.3172, 0.3112



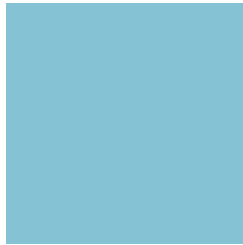
10.3039, 0.3881, 0.1912



0.6336, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 48.3236, 0.2575, 0.3046 looks on a white background.

Color Contrast Check

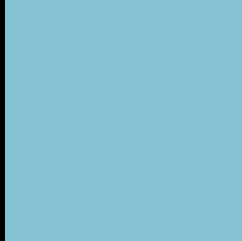
Large Text (above 18pt) WCAG AA × Fail

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 48.3236, 0.2575, 0.3046 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 48.3236, 0.2575, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 48.3236, 0.2575, 0.3046.



This preview shows how white text looks on a background with the Yxy color 48.3236, 0.2575, 0.3046.

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

48.3236, 0.2575, 0.3046

Protanopia

48.0985, 0.2944, 0.3012

Deuteranopia

48.1136, 0.2918, 0.2861



Tritanopia

48.1422, 0.2580, 0.3072

Trichromacy



Original Color

48.3236, 0.2575, 0.3046

Protanomaly

47.9872, 0.2796, 0.3017

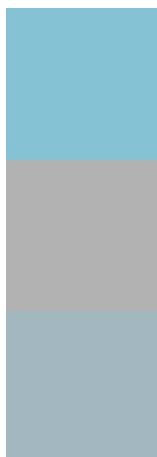
Deuteranomaly

47.7685, 0.2776, 0.2919

Tritanomaly

48.1923, 0.2575, 0.3059

Monochromacy



Original Color

48.3236, 0.2575, 0.3046

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.6801, 0.2903, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3236, 0.2575, 0.3046 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(133, 194, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 194, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.3236, 0.2575, 0.3046 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, 212) }
```

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

```
.border{ border-color:rgb(133, 194, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 194, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 194, 212);  
box-shadow:4px 4px 4px 4px rgb(133, 194,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3236, 0.2575, 0.3046 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, 212) }
```

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

```
.background{ background-color: rgb(133,  
194, 212) }
```

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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