

Converting Colors

$Y_{xy}(43.2565, 0.2381, 0.2938)$

Have a look what the booklet for
Yxy(43.2565, 0.2381, 0.2938)
contains.

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Color

Yxy(43.4292, 0.2383, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	64BCD4
RGB	100, 188, 212
RGB Percent	39%, 74%, 83%
CMY	0.6081, 0.2627, 0.1686
CMYK	0.53, 0.11, 0.00, 0.17
HSL	193°, 57%, 61%
HSV	193°, 53%, 83%
XYZ	35.1177, 43.4292, 68.8206
YIQ	164.4240, -60.1520, -11.1920

Conversions

Conversions Part 2

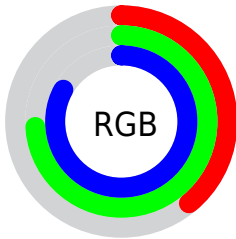
Format	Color
RYB	100, 149, 212
Decimal	6601940
CIELab	71.85, -19.86, -20.18
CIElCh	72, 28.315, 225.460
Yxy	43.4292, 0.2383, 0.2947
Android (android.graphics.Color)	4284792020 (0xFF64BCD4)
YUV	164.4240, 23.4550, -56.4998
Hunter-Lab	65.9008, -20.2062, -15.7863

Details

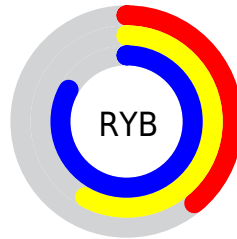
The Yxy color **43.4292, 0.2383, 0.2947** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.3163, 0.4484, 0.3587**, and the grayscale version is **37.2391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1905, 0.2578, 0.3165**, and **20.1196, 0.2190, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **40.4668, 0.2278, 0.2870**, and if you desaturate by 10%, it is **46.7703, 0.2504, 0.3021**.

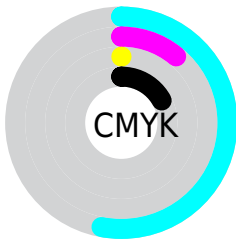
Distribution



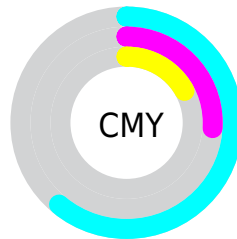
- Red (39%)
- Green (74%)
- Blue (83%)



- Red (39%)
- Yellow (58%)
- Blue (83%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)



- Cyan (61%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4292, 0.2383, 0.2947 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 43.4292, 0.2383, 0.2947 by changing the saturation by 10% instead.

 43.4292, 0.2383,
0.2947


 43.4292, 0.2383,
0.2947

360.3739, 0.2748,
0.3128


 30.2220, 0.2295,
0.2899


 80.3581, 0.2514,
0.3015


 20.0072, 0.2184,
0.2837


 104.8487, 0.2563,
0.3040

 12.4003, 0.2039,
0.2752


 133.8691, 0.2606,
0.3060

 7.0169, 0.1846,
0.2631

 167.8039, 0.2642,
0.3078

 3.4727, 0.1575,
0.2446

207.0374, 0.2674,
0.3093

 1.3832, 0.1179,
0.2141

251.9539, 0.2701,

 0.2043, 0.0000,

0.3106

0.1019

302.9380, 0.2726,
0.3118

0.0000, 0.0000,
0.0000

43.4292, 0.2383,
0.2947

43.4292, 0.2383,
0.2947

40.4668, 0.2278,
0.2870

46.7703, 0.2504,
0.3021

37.8527, 0.2191,
0.2792

50.5080, 0.2637,
0.3092

35.5592, 0.2124,
0.2713

54.6647, 0.2781,
0.3158

33.5511, 0.2075,
0.2634

59.2597, 0.2930,
0.3219

32.2490, 0.2050,
0.2579

64.3107, 0.3083,
0.3275

■ 69.8346, 0.3237,
0.3326

■ 75.8473, 0.3389,
0.3371

■ 79.4994, 0.3431,
0.3415

■ 81.9767, 0.3423,
0.3460

Harmonies

Analogous

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



43.4292, 0.2515, 0.3312



43.4292, 0.2383, 0.2947



43.4292, 0.2433, 0.2709

Triad

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



43.4292, 0.2383, 0.2947



43.4292, 0.3426, 0.2923



43.4292, 0.3587, 0.4008

Complementary

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



43.4292, 0.2383, 0.2947



29.3163, 0.4484, 0.3587

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.



43.4292, 0.3861, 0.3841



43.4292, 0.2383, 0.2947



43.4292, 0.3772, 0.3220

Square

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



43.4292, 0.2383, 0.2947



43.4292, 0.3013, 0.2713



43.4292, 0.3933, 0.3550



43.4292, 0.3199, 0.3967

Rectangle

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



43.4292, 0.2383, 0.2947



43.4292, 0.2563, 0.2640



43.4292, 0.3933, 0.3550



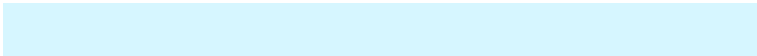
43.4292, 0.3696, 0.3972

Sweetspot

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



43.4308, 0.2383, 0.2947



87.6187, 0.2880, 0.3199



51.2089, 0.2932, 0.4645



18.4413, 0.2849, 0.3187



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.



43.4308, 0.2383, 0.2947



61.1219, 0.2270, 0.2864



24.3893, 0.2214, 0.2109



13.6355, 0.2982, 0.3239



20.0593, 0.2053, 0.2590



1.3250, 0.2090, 0.2725

Inverse Universe

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



26.7326, 0.3453, 0.2263



34.5271, 0.3542, 0.2099



46.9112, 0.4092, 0.4224



12.5850, 0.3170, 0.3109



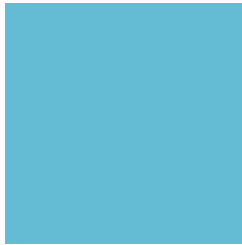
10.3699, 0.3834, 0.1886



0.6371, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 43.4292, 0.2383, 0.2947 looks on a white background.

Color Contrast Check

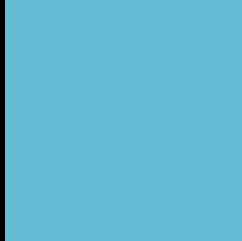
Large Text (above 18pt) WCAG AA × Fail

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 43.4292, 0.2383, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

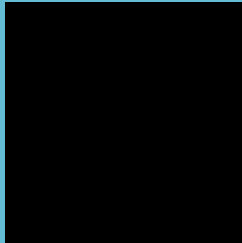
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

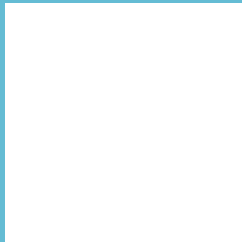
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.4292, 0.2383, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 43.4292, 0.2383, 0.2947.



This preview shows how white text looks on a background with the Yxy color 43.4292, 0.2383, 0.2947.

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

43.4292, 0.2383, 0.2947

Protanopia

43.0824, 0.2874, 0.2923

Deuteranopia

42.8543, 0.2787, 0.2717



Tritanopia

43.3444, 0.2408, 0.3056

Trichromacy



Original Color

43.4292, 0.2383, 0.2947

Protanomaly

42.7162, 0.2663, 0.2921

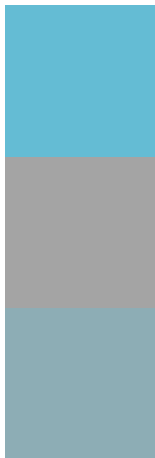
Deuteranomaly

42.4616, 0.2609, 0.2781

Tritanomaly

43.5459, 0.2397, 0.3015

Monochromacy



Original Color

43.4292, 0.2383, 0.2947

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.8861, 0.2796, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4292, 0.2383, 0.2947 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(100, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(100, 188, 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(100, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 188, 212) }
```

Border

The CSS property to change the border of an element to Yxy 43.4292, 0.2383, 0.2947 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(100, 188, 212) }
```

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

```
.border{ border-color:rgb(100, 188, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(100, 188,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4292, 0.2383, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 188, 212) }
```

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

```
.background{ background-color: rgb(100,  
188, 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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