

Converting Colors

$Y_{xy}(45.6940, 0.2325, 0.2928)$

Have a look what the booklet for
Yxy(45.6940, 0.2325, 0.2928)
contains.

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Color

Yxy(45.4785, 0.2325, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	5BC1DB
RGB	91, 193, 219
RGB Percent	36%, 76%, 86%
CMY	0.6436, 0.2431, 0.1411
CMYK	0.59, 0.12, 0.00, 0.14
HSL	192°, 64%, 61%
HSV	192°, 59%, 86%
XYZ	36.1619, 45.4785, 73.8948
YIQ	165.4660, -69.1380, -13.5380

Conversions

Conversions Part 2

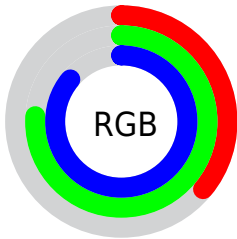
Format	Color
RYB	91, 148, 219
Decimal	6013403
CIELab	73.21, -22.20, -21.95
CIELCh	73, 31.225, 224.678
Yxy	45.4785, 0.2325, 0.2924
Android (android.graphics.Color)	4284203483 (0xFF5BC1DB)
YUV	165.4660, 26.3923, -65.3067
Hunter-Lab	67.4377, -22.2995, -17.7605

Details

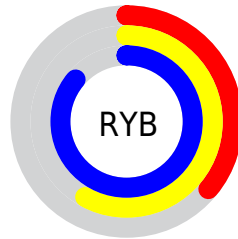
The Yxy color **45.4785, 0.2325, 0.2924** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **28.5071, 0.4719, 0.3593**, and the grayscale version is **37.7446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1705, 0.2557, 0.3232**, and **21.1649, 0.2115, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **42.5915, 0.2232, 0.2850**, and if you desaturate by 10%, it is **48.7525, 0.2436, 0.2996**.

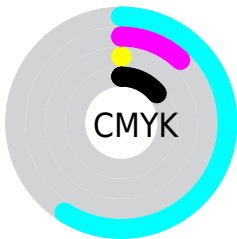
Distribution



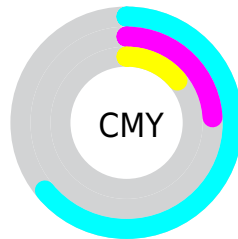
- Red (36%)
- Green (76%)
- Blue (86%)



- Red (36%)
- Yellow (58%)
- Blue (86%)



- Cyan (59%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)





- Cyan (64%)
- Magenta (24%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4785, 0.2325, 0.2924 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 45.4785, 0.2325, 0.2924 by changing the saturation by 10% instead.


 45.4785, 0.2325,
0.2924

 45.4785, 0.2325,
0.2924


368.7081, 0.2714,
0.3117

 31.8345, 0.2232,
0.2874


 83.4380, 0.2463,
0.2996


 21.2351, 0.2116,
0.2808


 108.5223, 0.2516,
0.3022

 13.2960, 0.1967,
0.2720


 138.1887, 0.2561,
0.3044

 7.6327, 0.1770,
0.2595

 172.8218, 0.2600,
0.3063

 3.8608, 0.1499,
0.2407

212.8059, 0.2634,
0.3079

 1.5960, 0.1117,
0.2103

258.5254, 0.2664,

 0.3549, 0.0000,

0.3093

0.1351

310.3646, 0.2690,
0.3106

0.0000, 0.0000,
0.0000

45.4785, 0.2325,
0.2924

45.4785, 0.2325,
0.2924

42.5915, 0.2232,
0.2850

48.7525, 0.2436,
0.2996

40.0566, 0.2157,
0.2776

52.4344, 0.2561,
0.3065

37.8407, 0.2103,
0.2702

56.5497, 0.2699,
0.3130

35.8918, 0.2065,
0.2628

61.1200, 0.2845,
0.3191

35.6121, 0.2060,
0.2617

66.1652, 0.2996,
0.3246

■ 71.7041, 0.3150,
0.3297

■ 77.7544, 0.3304,
0.3343

■ 82.1692, 0.3376,
0.3386

■ 84.6531, 0.3370,
0.3430

Harmonies

Analogous

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



45.4785, 0.2471, 0.3323



45.4785, 0.2325, 0.2924



45.4785, 0.2373, 0.2665

Triad

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



45.4785, 0.2325, 0.2924



45.4785, 0.3439, 0.2886



45.4785, 0.3633, 0.4068

Complementary

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



45.4785, 0.2325, 0.2924



28.5071, 0.4719, 0.3593

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.



45.4785, 0.3927, 0.3877



45.4785, 0.2325, 0.2924



45.4785, 0.3820, 0.3203

Square

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



45.4785, 0.2325, 0.2924



45.4785, 0.2990, 0.2663



45.4785, 0.4002, 0.3558



45.4785, 0.3214, 0.4034

Rectangle

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



45.4785, 0.2325, 0.2924



45.4785, 0.2510, 0.2589



45.4785, 0.4002, 0.3558



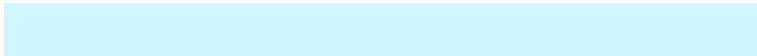
45.4785, 0.3750, 0.4025

Sweetspot

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



45.4802, 0.2325, 0.2924



86.5124, 0.2850, 0.3193



54.1580, 0.2920, 0.4819



18.0959, 0.2807, 0.3175



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.



45.4802, 0.2325, 0.2924



59.3309, 0.2214, 0.2835



23.1174, 0.2112, 0.1955



14.3575, 0.2982, 0.3241



21.2743, 0.2064, 0.2628



1.4942, 0.2097, 0.2748

Inverse Universe

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



26.3739, 0.3482, 0.2157



31.6015, 0.3579, 0.1997



48.6875, 0.4207, 0.4309



13.2272, 0.3169, 0.3106



10.7714, 0.3797, 0.1865



0.7095, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 45.4785, 0.2325, 0.2924 looks on a white background.

Color Contrast Check

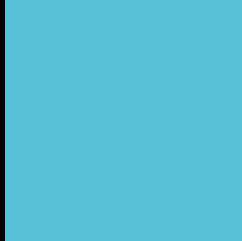
Large Text (above 18pt) WCAG AA × Fail

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 45.4785, 0.2325, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

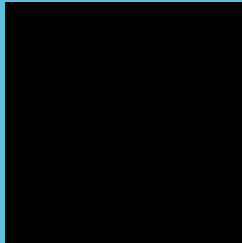
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4785, 0.2325, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 45.4785, 0.2325, 0.2924.



This preview shows how white text looks on a background with the Yxy color 45.4785, 0.2325, 0.2924.

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

45.4785, 0.2325, 0.2924

Protanopia

44.8826, 0.2857, 0.2891

Deuteranopia

44.8719, 0.2751, 0.2690



Tritanopia

45.2630, 0.2355, 0.3059

Trichromacy



Original Color

45.4785, 0.2325, 0.2924

Protanomaly

44.4601, 0.2618, 0.2899

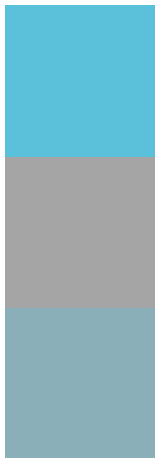
Deuteranomaly

44.5695, 0.2556, 0.2762

Tritanomaly

45.4624, 0.2345, 0.3018

Monochromacy



Original Color

45.4785, 0.2325, 0.2924

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.5660, 0.2747, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4785, 0.2325, 0.2924 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(91, 193, 219)` looks like.

```
.text, #text, p{  
    color:rgb(91, 193, 219)  
}
```

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(91, 193, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 193, 219) }
```

Border

The CSS property to change the border of an element to Yxy 45.4785, 0.2325, 0.2924 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(91, 193, 219) }
```

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

```
.border{ border-color:rgb(91, 193, 219) }
```

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

Here you see how a box with a 4 pixel rgb(91, 193, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 193, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 193, 219);  
box-shadow:4px 4px 4px 4px rgb(91, 193,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4785, 0.2325, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 193, 219) }
```

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

```
.background{ background-color: rgb(91, 193,  
219) }
```

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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