

Converting Colors

$Y_{xy}(46.4861, 0.2384, 0.3244)$

Have a look what the booklet for
Yxy(46.4861, 0.2384, 0.3244)
contains.

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Color

Yxy(46.3107, 0.2385, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	50C6C9
RGB	80, 198, 201
RGB Percent	31%, 78%, 79%
CMY	0.6860, 0.2235, 0.2118
CMYK	0.60, 0.01, 0.00, 0.21
HSL	181°, 53%, 55%
HSV	181°, 60%, 79%
XYZ	34.0478, 46.3107, 62.3995
YIQ	163.0600, -71.2910, -24.0830

Conversions

Conversions Part 2

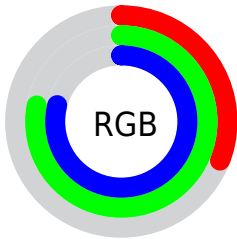
Format	Color
RYB	80, 140, 201
Decimal	5293769
CIELab	73.75, -31.74, -11.39
CIELCh	74, 33.719, 199.743
Yxy	46.3107, 0.2385, 0.3244
Android (android.graphics.Color)	4283483849 (0xFF50C6C9)
YUV	163.0600, 18.7044, -72.8436
Hunter-Lab	68.0520, -29.7837, -6.7290

Details

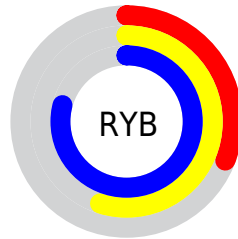
The Yxy color **46.3107, 0.2385, 0.3244** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.1922, 0.4969, 0.3331**, and the grayscale version is **36.5987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **22.0531, 0.2230, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **45.3364, 0.2318, 0.3236**, and if you desaturate by 10%, it is **47.5509, 0.2471, 0.3252**.

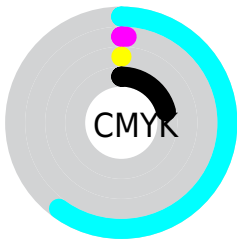
Distribution



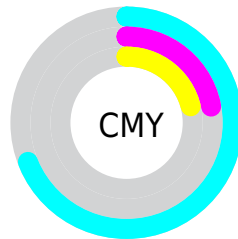
- Red (31%)
- Green (78%)
- Blue (79%)



- Red (31%)
- Yellow (55%)
- Blue (79%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)





- Cyan (69%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3107, 0.2385, 0.3244 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 46.3107, 0.2385, 0.3244 by changing the saturation by 10% instead.

 46.3107, 0.2385,
0.3244


 46.3107, 0.2385,
0.3244

372.0564, 0.2747,
0.3277


 32.4911, 0.2298,
0.3233


 84.6838, 0.2514,
0.3258


 21.7369, 0.2188,
0.3217


 110.0061, 0.2564,
0.3263

 13.6637, 0.2045,
0.3193


 139.9313, 0.2606,
0.3266

 7.8871, 0.1854,
0.3154

 174.8440, 0.2642,
0.3269

 4.0228, 0.1586,
0.3085

215.1284, 0.2673,
0.3272

 1.6863, 0.1177,
0.2954

261.1690, 0.2701,

 0.4148, 0.0000,

0.3274

0.2452

313.3502, 0.2725,
0.3275

■ 0.0000, 0.0000,
0.0000

■ 46.3107, 0.2385,
0.3244

■ 46.3107, 0.2385,
0.3244

■ 45.3364, 0.2318,
0.3236

■ 47.5509, 0.2471,
0.3252

■ 44.5987, 0.2271,
0.3227

■ 49.0730, 0.2574,
0.3261

■ 44.0707, 0.2241,
0.3219

■ 50.8976, 0.2694,
0.3269

■ 43.7032, 0.2225,
0.3211

■ 53.0423, 0.2828,
0.3276

■ 55.5229, 0.2972,
0.3283

■ 58.3544, 0.3125,
0.3290

■ 61.5510, 0.3282,
0.3296

■ 65.1259, 0.3441,
0.3302

■ 67.9447, 0.3553,
0.3307

Harmonies

Analogous

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



46.3107, 0.2697, 0.3713



46.3107, 0.2385, 0.3244



46.3107, 0.2265, 0.2836

Triad

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



46.3107, 0.2385, 0.3244



46.3107, 0.3059, 0.2653



46.3107, 0.3945, 0.3963

Complementary

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



46.3107, 0.2385, 0.3244



19.1922, 0.4969, 0.3331

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.



46.3107, 0.4072, 0.3635



46.3107, 0.2385, 0.3244



46.3107, 0.3540, 0.2909

Square

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



46.3107, 0.2385, 0.3244



46.3107, 0.2630, 0.2536



46.3107, 0.3923, 0.3258



46.3107, 0.3597, 0.4139

Rectangle

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



46.3107, 0.2385, 0.3244



46.3107, 0.2300, 0.2653



46.3107, 0.3923, 0.3258



46.3107, 0.4016, 0.3865

Sweetspot

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



46.3125, 0.2385, 0.3244



91.5862, 0.2855, 0.3278



44.0899, 0.3028, 0.5189



19.3518, 0.2813, 0.3275



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.



46.3125, 0.2385, 0.3244



77.2255, 0.2303, 0.3233



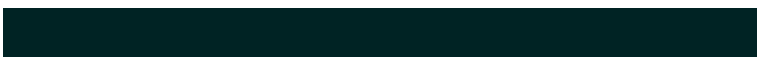
24.2491, 0.2172, 0.2288



12.0207, 0.2984, 0.3284



27.5011, 0.2226, 0.3213



1.3168, 0.2230, 0.3229

Inverse Universe

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



22.2401, 0.3226, 0.1931



32.7479, 0.3245, 0.1746



32.5051, 0.4422, 0.4073



10.8119, 0.3142, 0.3068



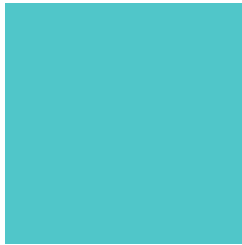
10.3162, 0.3271, 0.1576



0.4899, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 46.3107, 0.2385, 0.3244 looks on a white background.

Color Contrast Check

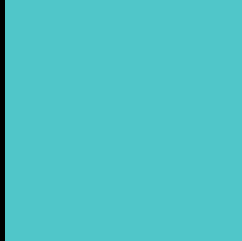
Large Text (above 18pt) WCAG AA × Fail

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 46.3107, 0.2385, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

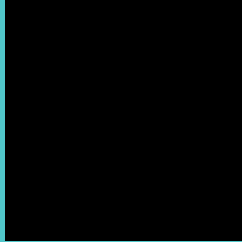
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

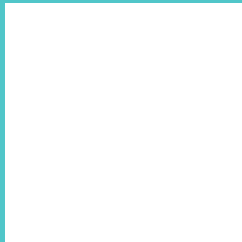
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3107, 0.2385, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 46.3107, 0.2385, 0.3244.

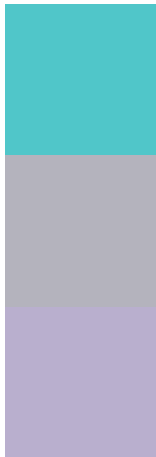


This preview shows how white text looks on a background with the Yxy color 46.3107, 0.2385, 0.3244.

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

46.3107, 0.2385, 0.3244

Protanopia

45.6176, 0.3057, 0.3160

Deuteranopia

45.4305, 0.2968, 0.2901



Tritanopia

46.1646, 0.2344, 0.3060

Trichromacy



Original Color

46.3107, 0.2385, 0.3244



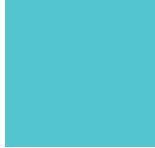
Protanomaly

44.8974, 0.2750, 0.3192



Deuteranomaly

44.4297, 0.2695, 0.3004



Tritanomaly

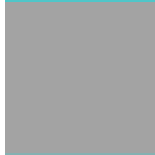
46.3256, 0.2359, 0.3130

Monochromacy



Original Color

46.3107, 0.2385, 0.3244



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.2115, 0.2767, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3107, 0.2385, 0.3244 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(80, 198, 201)` looks like.

```
.text, #text, p{  
    color:rgb(80, 198, 201)  
}
```

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(80, 198, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 198, 201) }
```

Border

The CSS property to change the border of an element to Yxy 46.3107, 0.2385, 0.3244 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(80, 198, 201) }
```

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

```
.border{ border-color:rgb(80, 198, 201) }
```

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

Here you see how a box with a 4 pixel rgb(80, 198, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 198, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 198, 201);  
box-shadow:4px 4px 4px 4px rgb(80, 198,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3107, 0.2385, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 198, 201) }
```

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

```
.background{ background-color: rgb(80, 198,  
201) }
```

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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