

Converting Colors

$Yxy(38.7238, 0.2448, 0.3245)$

Have a look what the booklet for
Yxy(38.7238, 0.2448, 0.3245)
contains.

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Color

Yxy(38.5347, 0.2448, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	57B5B8
RGB	87, 181, 184
RGB Percent	34%, 71%, 72%
CMY	0.6589, 0.2902, 0.2784
CMYK	0.53, 0.02, 0.00, 0.28
HSL	182°, 41%, 53%
HSV	182°, 53%, 72%
XYZ	29.1061, 38.5347, 51.2567
YIQ	153.2360, -56.9870, -18.9950

Conversions

Conversions Part 2

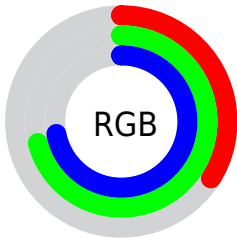
Format	Color
RYB	87, 135, 184
Decimal	5748152
CIELab	68.41, -26.83, -10.04
CIELCh	68, 28.649, 200.521
Yxy	38.5347, 0.2448, 0.3241
Android (android.graphics.Color)	4283938232 (0xFF57B5B8)
YUV	153.2360, 15.1667, -58.0890
Hunter-Lab	62.0763, -24.9391, -5.5026

Details

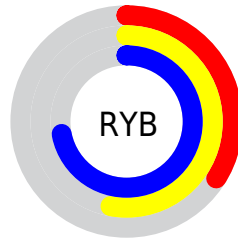
The Yxy color **38.5347, 0.2448, 0.3241** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.1922, 0.4611, 0.3336**, and the grayscale version is **31.9147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7889, 0.2570, 0.3253**, and **17.1872, 0.2254, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **37.5291, 0.2366, 0.3231**, and if you desaturate by 10%, it is **39.7699, 0.2548, 0.3251**.

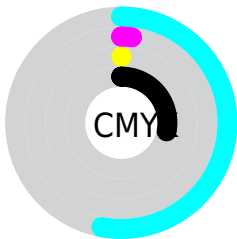
Distribution



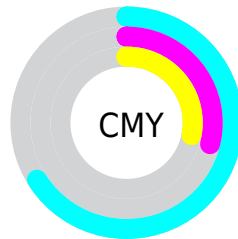
- Red (34%)
- Green (71%)
- Blue (72%)



- Red (34%)
- Yellow (53%)
- Blue (72%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)




- Cyan (66%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5347, 0.2448, 0.3241 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 38.5347, 0.2448, 0.3241 by changing the saturation by 10% instead.


 38.5347, 0.2448,
0.3241


 38.5347, 0.2448,
0.3241


339.9082, 0.2791,
0.3275

 26.3979, 0.2362,
0.3230


 72.9270, 0.2573,
0.3255

 17.1216, 0.2251,
0.3213


 95.9512, 0.2620,
0.3260

 10.3212, 0.2104,
0.3187


 123.3735, 0.2659,
0.3264

 5.6124, 0.1900,
0.3145

 155.5781, 0.2693,
0.3267

 2.6109, 0.1601,
0.3065

192.9495, 0.2723,
0.3269

 0.9321, 0.0745,
0.3016

235.8721, 0.2748,

 0.0000, 0.0000,

0.3271

0.0000

284.7301, 0.2771,
0.3273

■ 38.5347, 0.2448,
0.3241

■ 38.5347, 0.2448,
0.3241

■ 37.5291, 0.2366,
0.3231

■ 39.7699, 0.2548,
0.3251

■ 36.7311, 0.2303,
0.3220

■ 41.2460, 0.2664,
0.3261

■ 36.1222, 0.2259,
0.3210

■ 42.9788, 0.2794,
0.3271

■ 35.6784, 0.2232,
0.3200

■ 44.9813, 0.2935,
0.3280

■ 35.4240, 0.2220,
0.3193

■ 47.2658, 0.3085,
0.3288

■ 49.8438, 0.3241,
0.3296

■ 52.7263, 0.3399,
0.3302

■ 55.9235, 0.3557,
0.3309

■ 59.4452, 0.3713,
0.3314

Harmonies

Analogous

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



38.5347, 0.2730, 0.3660



38.5347, 0.2448, 0.3241



38.5347, 0.2342, 0.2874

Triad

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



38.5347, 0.2448, 0.3241



38.5347, 0.3078, 0.2713



38.5347, 0.3863, 0.3910

Complementary

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



38.5347, 0.2448, 0.3241



18.1922, 0.4611, 0.3336

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.



38.5347, 0.3981, 0.3617



38.5347, 0.2448, 0.3241



38.5347, 0.3511, 0.2952

Square

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



38.5347, 0.2448, 0.3241



38.5347, 0.2686, 0.2604



38.5347, 0.3851, 0.3273



38.5347, 0.3546, 0.4057

Rectangle

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



38.5347, 0.2448, 0.3241



38.5347, 0.2377, 0.2709



38.5347, 0.3851, 0.3273



38.5347, 0.3928, 0.3823

Sweetspot

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



38.5362, 0.2448, 0.3241



80.1863, 0.2884, 0.3276



37.0262, 0.3040, 0.4924



17.1261, 0.2855, 0.3275



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.5362, 0.2448, 0.3241



67.8091, 0.2357, 0.3229



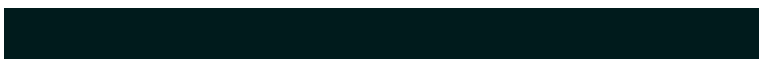
22.5055, 0.2288, 0.2441



10.1616, 0.2985, 0.3282



24.4307, 0.2221, 0.3194



0.8762, 0.2228, 0.3220

Inverse Universe

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



20.3433, 0.3221, 0.2079



31.5651, 0.3241, 0.1881



28.8049, 0.4216, 0.3988



9.1578, 0.3142, 0.3072



9.2486, 0.3287, 0.1584



0.3276, 0.3265, 0.1573

Previews

White Background



This preview shows how the Yxy color 38.5347, 0.2448, 0.3241 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 38.5347, 0.2448, 0.3241 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

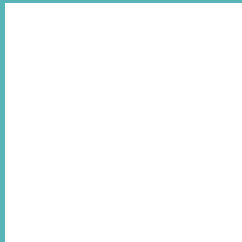
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.5347, 0.2448, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 38.5347, 0.2448, 0.3241.

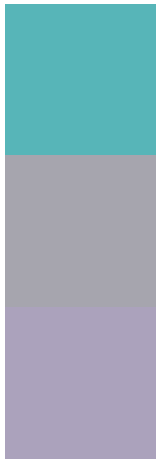


This preview shows how white text looks on a background with the Yxy color 38.5347, 0.2448, 0.3241.

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

38.5347, 0.2448, 0.3241

Protanopia

38.0733, 0.3060, 0.3164

Deuteranopia

38.1294, 0.2988, 0.2937



Tritanopia

38.3594, 0.2406, 0.3059

Trichromacy



Original Color

38.5347, 0.2448, 0.3241

Protanomaly

37.6585, 0.2784, 0.3185

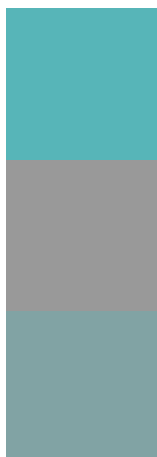
Deuteranomaly

37.5392, 0.2740, 0.3028

Tritanomaly

38.5339, 0.2426, 0.3134

Monochromacy



Original Color

38.5347, 0.2448, 0.3241

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.5418, 0.2816, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5347, 0.2448, 0.3241 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(87, 181, 184)` looks like.

```
.text, #text, p{  
    color:rgb(87, 181, 184)  
}
```

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(87, 181, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 181, 184) }
```

Border

The CSS property to change the border of an element to Yxy 38.5347, 0.2448, 0.3241 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(87, 181, 184) }
```

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

```
.border{ border-color:rgb(87, 181, 184) }
```

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

Here you see how a box with a 4 pixel rgb(87, 181, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 181, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 181, 184);  
box-shadow:4px 4px 4px 4px rgb(87, 181,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5347, 0.2448, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 181, 184) }
```

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

```
.background{ background-color: rgb(87, 181,  
184) }
```

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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