

Converting Colors

$Y_{xy}(38.2597, 0.2447, 0.3288)$

Have a look what the booklet for
Yxy(38.2597, 0.2447, 0.3288)
contains.

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Color

Yxy(38.2229, 0.2446, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	53B5B5
RGB	83, 181, 181
RGB Percent	33%, 71%, 71%
CMY	0.6743, 0.2902, 0.2902
CMYK	0.54, 0.00, 0.00, 0.29
HSL	180°, 40%, 52%
HSV	180°, 54%, 71%
XYZ	28.4347, 38.2229, 49.5921
YIQ	151.6980, -58.4080, -20.7760

Conversions

Conversions Part 2

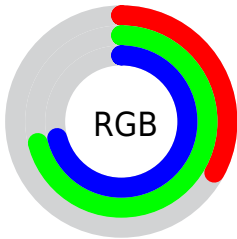
Format	Color
RYB	83, 132, 181
Decimal	5486005
CIELab	68.18, -28.46, -8.73
CIElCh	68, 29.769, 197.061
Yxy	38.2229, 0.2446, 0.3288
Android (android.graphics.Color)	4283676085 (0xFF53B5B5)
YUV	151.6980, 14.4459, -60.2481
Hunter-Lab	61.8247, -26.0967, -4.2817

Details

The Yxy color **38.2229, 0.2446, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **16.6444, 0.4695, 0.3295**, and the grayscale version is **31.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3455, 0.2571, 0.3288**, and **17.0162, 0.2251, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **37.5051, 0.2370, 0.3288**, and if you desaturate by 10%, it is **39.1586, 0.2540, 0.3288**.

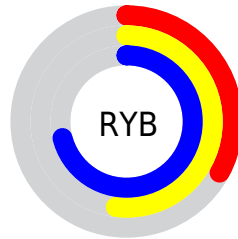
Distribution



Red (33%)

Green (71%)

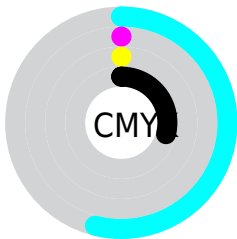
Blue (71%)



Red (33%)

Yellow (52%)

Blue (71%)

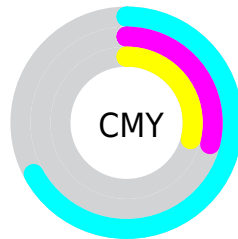


Cyan (54%)

Magenta (0%)

Yellow (0%)

Black (29%)



Cyan (67%)


Magenta (29%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2229, 0.2446, 0.3288 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 38.2229, 0.2446, 0.3288 by changing the saturation by 10% instead.


 38.2229, 0.2446,
0.3288


 38.2229, 0.2446,
0.3288


338.5752, 0.2791,
0.3297

 26.1557, 0.2359,
0.3283


 72.4497, 0.2572,
0.3293


 16.9402, 0.2247,
0.3275


 95.3780, 0.2619,
0.3295

 10.1919, 0.2098,
0.3260


 122.6956, 0.2659,
0.3296

 5.5263, 0.1891,
0.3233

 154.7868, 0.2693,
0.3296

 2.5593, 0.1586,
0.3177

192.0359, 0.2722,
0.3297

 0.9062, 0.0591,
0.3215

234.8274, 0.2748,

 0.0000, 0.0000,

0.3297

0.0000

283.5457, 0.2771,
0.3297

■ 38.2229, 0.2446,
0.3288

■ 38.2229, 0.2446,
0.3288

■ 37.5051, 0.2370,
0.3288

■ 39.1586, 0.2540,
0.3288

■ 36.9837, 0.2314,
0.3288

■ 40.3229, 0.2651,
0.3289

■ 36.6404, 0.2276,
0.3288

■ 41.7314, 0.2777,
0.3289

■ 36.4515, 0.2254,
0.3287

■ 43.3967, 0.2916,
0.3289

■ 36.3827, 0.2247,
0.3287

■ 45.3307, 0.3064,
0.3290

■ 47.5445, 0.3219,
0.3290

■ 50.0487, 0.3378,
0.3291

■ 52.8533, 0.3538,
0.3291

■ 55.9677, 0.3697,
0.3292

Harmonies

Analogous

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



38.2229, 0.2756, 0.3723



38.2229, 0.2446, 0.3288



38.2229, 0.2314, 0.2893

Triad

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



38.2229, 0.2446, 0.3288



38.2229, 0.3024, 0.2671



38.2229, 0.3919, 0.3904

Complementary

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



38.2229, 0.2446, 0.3288



16.6444, 0.4695, 0.3295

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.



38.2229, 0.4014, 0.3588



38.2229, 0.2446, 0.3288



38.2229, 0.3477, 0.2904

Square

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



38.2229, 0.2446, 0.3288



38.2229, 0.2628, 0.2575



38.2229, 0.3850, 0.3230



38.2229, 0.3607, 0.4083

Rectangle

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



38.2229, 0.2446, 0.3288



38.2229, 0.2335, 0.2709



38.2229, 0.3850, 0.3230



38.2229, 0.3978, 0.3809

Sweetspot

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



38.2244, 0.2446, 0.3288



77.0418, 0.2885, 0.3289



35.5890, 0.3058, 0.4991



16.5176, 0.2857, 0.3289



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.2244, 0.2446, 0.3288



66.9615, 0.2358, 0.3288



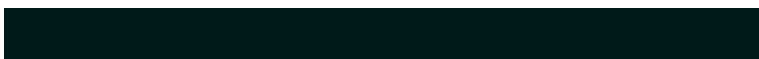
22.1342, 0.2280, 0.2475



9.6316, 0.2986, 0.3290



25.0823, 0.2247, 0.3287



0.7892, 0.2247, 0.3287

Inverse Universe

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



16.6444, 0.4695, 0.3295



24.2563, 0.5257, 0.3296



26.5196, 0.4278, 0.3959



8.5053, 0.3287, 0.3290



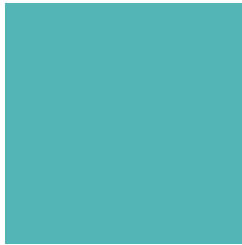
6.7723, 0.6401, 0.3300



0.2131, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 38.2229, 0.2446, 0.3288 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 38.2229, 0.2446, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

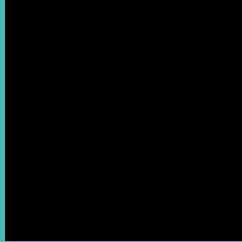
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2229, 0.2446, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 38.2229, 0.2446, 0.3288.

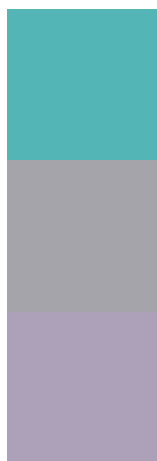


This preview shows how white text looks on a background with the Yxy color 38.2229, 0.2446, 0.3288.

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

38.2229, 0.2446, 0.3288

Protanopia

37.5982, 0.3085, 0.3191

Deuteranopia

37.7632, 0.3022, 0.2963



Tritanopia

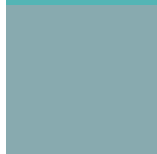
38.2099, 0.2392, 0.3058

Trichromacy



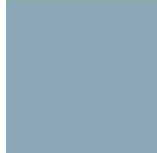
Original Color

38.2229, 0.2446, 0.3288



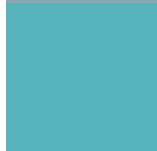
Protanomaly

37.0788, 0.2797, 0.3214



Deuteranomaly

37.0414, 0.2761, 0.3055



Tritanomaly

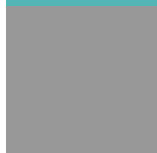
38.2951, 0.2413, 0.3149

Monochromacy



Original Color

38.2229, 0.2446, 0.3288



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.3508, 0.2807, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2229, 0.2446, 0.3288 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(83, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(83, 181, 181)  
}
```

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(83, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 181, 181) }
```

Border

The CSS property to change the border of an element to Yxy 38.2229, 0.2446, 0.3288 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(83, 181, 181) }
```

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

```
.border{ border-color:rgb(83, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(83, 181,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2229, 0.2446, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 181, 181) }
```

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

```
.background{ background-color: rgb(83, 181,  
181) }
```

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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