

Converting Colors

$Yxy(39.0055, 0.2507, 0.3211)$

Have a look what the booklet for
Yxy(39.0055, 0.2507, 0.3211)
contains.

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Color

Yxy(38.8546, 0.2507, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	64B4B9
RGB	100, 180, 185
RGB Percent	39%, 71%, 73%
CMY	0.6078, 0.2941, 0.2744
CMYK	0.46, 0.03, 0.00, 0.27
HSL	184°, 38%, 56%
HSV	184°, 46%, 73%
XYZ	30.3359, 38.8546, 51.8142
YIQ	156.6500, -49.2850, -15.4050

Conversions

Conversions Part 2

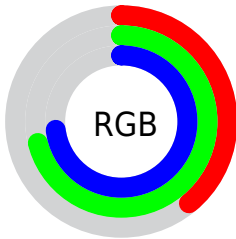
Format	Color
RYB	100, 141, 185
Decimal	6599865
CIELab	68.65, -23.15, -10.20
CIElCh	69, 25.303, 203.781
Yxy	38.8546, 0.2507, 0.3211
Android (android.graphics.Color)	4284789945 (0xFF64B4B9)
YUV	156.6500, 13.9765, -49.6821
Hunter-Lab	62.3335, -22.2128, -5.6509

Details

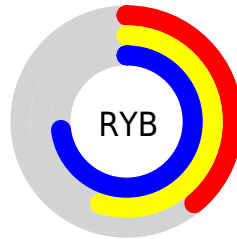
The Yxy color **38.8546, 0.2507, 0.3211** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.3471, 0.4313, 0.3364**, and the grayscale version is **33.5058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4097, 0.2622, 0.3230**, and **17.3369, 0.2330, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **37.4782, 0.2410, 0.3191**, and if you desaturate by 10%, it is **40.4771, 0.2621, 0.3230**.

Distribution



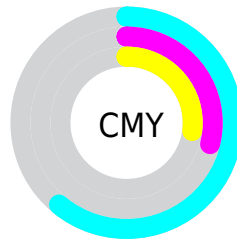
- Red (39%)
- Green (71%)
- Blue (73%)



- Red (39%)
- Yellow (55%)
- Blue (73%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)





- Cyan (61%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8546, 0.2507, 0.3211 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 38.8546, 0.2507, 0.3211 by changing the saturation by 10% instead.


 38.8546, 0.2507,
0.3211


 38.8546, 0.2507,
0.3211


341.2719, 0.2820,
0.3259


 26.6466, 0.2428,
0.3196


 73.4161, 0.2621,
0.3230

 17.3080, 0.2327,
0.3176


 96.5385, 0.2664,
0.3237

 10.4543, 0.2192,
0.3146


 124.0678, 0.2700,
0.3242

 5.7012, 0.2004,
0.3097

 156.3884, 0.2731,
0.3247

 2.6643, 0.1727,
0.3011

193.8847, 0.2758,
0.3250

 0.9591, 0.1045,
0.2911

236.9412, 0.2781,

 0.0000, 0.0000,

0.3254

0.0000

285.9421, 0.2802,
0.3256

■ 38.8546, 0.2507,
0.3211

■ 38.8546, 0.2507,
0.3211

■ 37.4782, 0.2410,
0.3191

■ 40.4771, 0.2621,
0.3230

■ 36.3268, 0.2330,
0.3172

■ 42.3561, 0.2749,
0.3248

■ 35.3836, 0.2270,
0.3152

■ 44.5067, 0.2888,
0.3265

■ 34.6271, 0.2228,
0.3132

■ 46.9417, 0.3036,
0.3281

■ 34.0298, 0.2204,
0.3112

■ 49.6729, 0.3190,
0.3296

■ 33.8100, 0.2196,
0.3105

■ 52.7116, 0.3346,
0.3309

■ 56.0685, 0.3503,
0.3321

■ 59.7535, 0.3659,
0.3331

■ 61.5241, 0.3714,
0.3342

Harmonies

Analogous

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



38.8546, 0.2744, 0.3577



38.8546, 0.2507, 0.3211



38.8546, 0.2429, 0.2898

Triad

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



38.8546, 0.2507, 0.3211



38.8546, 0.3128, 0.2795



38.8546, 0.3754, 0.3862

Complementary

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



38.8546, 0.2507, 0.3211



21.3471, 0.4313, 0.3364

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.



38.8546, 0.3878, 0.3617



38.8546, 0.2507, 0.3211



38.8546, 0.3505, 0.3019

Square

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



38.8546, 0.2507, 0.3211



38.8546, 0.2771, 0.2684



38.8546, 0.3786, 0.3312



38.8546, 0.3462, 0.3966

Rectangle

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



38.8546, 0.2507, 0.3211



38.8546, 0.2473, 0.2759



38.8546, 0.3786, 0.3312



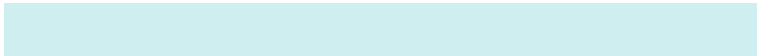
38.8546, 0.3817, 0.3792

Sweetspot

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



38.8561, 0.2507, 0.3211



80.3994, 0.2913, 0.3268



38.4235, 0.3034, 0.4640



17.1413, 0.2882, 0.3265



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.



38.8561, 0.2507, 0.3211



67.1132, 0.2410, 0.3192



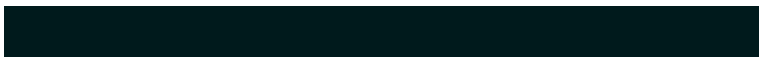
24.4662, 0.2385, 0.2522



10.1172, 0.2985, 0.3276



23.0520, 0.2196, 0.3107



0.8403, 0.2210, 0.3157

Inverse Universe

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



22.7279, 0.3236, 0.2242



34.9903, 0.3263, 0.2048



32.0327, 0.4026, 0.3942



9.1533, 0.3146, 0.3078



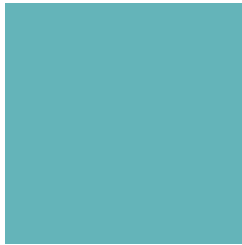
9.1094, 0.3361, 0.1625



0.3239, 0.3318, 0.1602

Previews

White Background



This preview shows how the Yxy color 38.8546, 0.2507, 0.3211 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 38.8546, 0.2507, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

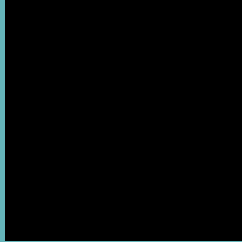
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8546, 0.2507, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 38.8546, 0.2507, 0.3211.

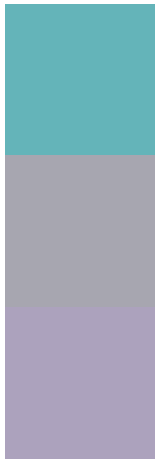


This preview shows how white text looks on a background with the Yxy color 38.8546, 0.2507, 0.3211.

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

38.8546, 0.2507, 0.3211

Protanopia

38.6225, 0.3052, 0.3151

Deuteranopia

38.2854, 0.2989, 0.2925



Tritanopia

38.9740, 0.2475, 0.3078

Trichromacy



Original Color

38.8546, 0.2507, 0.3211

Protanomaly

38.2201, 0.2824, 0.3172

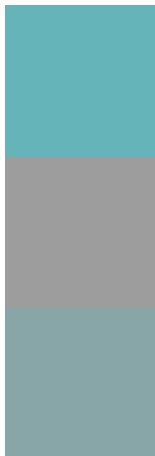
Deuteranomaly

38.1178, 0.2780, 0.3018

Tritanomaly

38.7827, 0.2486, 0.3121

Monochromacy



Original Color

38.8546, 0.2507, 0.3211

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9345, 0.2853, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8546, 0.2507, 0.3211 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, 180, 185)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 185)  
}
```

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, 180, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 185) }
```

Border

The CSS property to change the border of an element to Yxy 38.8546, 0.2507, 0.3211 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, 180, 185) }
```

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

```
.border{ border-color:rgb(100, 180, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 185);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8546, 0.2507, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 185) }
```

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

```
.background{ background-color: rgb(100,  
180, 185) }
```

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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