

Converting Colors

$Yxy(38.2107, 0.2610, 0.3954)$

Have a look what the booklet for
Yxy(38.2107, 0.2610, 0.3954)
contains.

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Color

$\text{Yxy}(38.1510, 0.2610, 0.3950)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 48B992 |
| RGB | 72, 185, 146 |
| RGB Percent | 28%, 73%, 57% |
| CMY | 0.7177, 0.2745, 0.4275 |
| CMYK | 0.61, 0.00, 0.21, 0.27 |
| HSL | 159°, 45%, 50% |
| HSV | 159°, 61%, 73% |
| XYZ | 25.2086, 38.1510, 33.2252 |
| YIQ | 146.7670, -54.8290, -36.0850 |

Conversions

Conversions Part 2

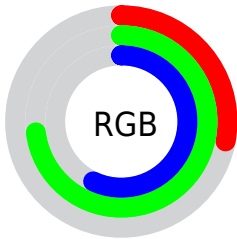
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 72, 140, 185 |
| Decimal | 4766098 |
| CIELab | 68.13, -41.39, 10.41 |
| CIELCh | 68, 42.677, 165.886 |
| Yxy | 38.1510, 0.2610, 0.3950 |
| Android (android.graphics.Color) | 4282956178 (0xFF48B992) |
| YUV | 146.7670, -0.3781, -65.5707 |
| Hunter-Lab | 61.7665, -35.2405, 11.3435 |

Details

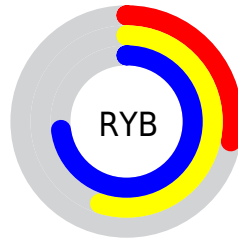
The Yxy color **38.1510, 0.2610, 0.3950** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.0968, 0.4336, 0.2770**, and the grayscale version is **29.0946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4997, 0.2713, 0.3817**, and **17.0588, 0.2494, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **37.3521, 0.2573, 0.4081**, and if you desaturate by 10%, it is **39.1779, 0.2665, 0.3823**.

Distribution



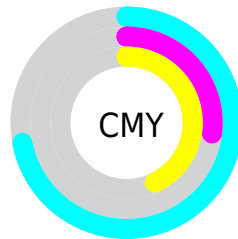
- Red (28%)
- Green (73%)
- Blue (57%)



- Red (28%)
- Yellow (55%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (21%)
- Black (27%)





- Cyan (72%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1510, 0.2610, 0.3950 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 38.1510, 0.2610, 0.3950 by changing the saturation by 10% instead.


 38.1510, 0.2610,
0.3950

 38.1510, 0.2610,
0.3950


338.2673, 0.2883,
0.3596


 26.0999, 0.2537,
0.4047


 72.3395, 0.2713,
0.3815


 16.8984, 0.2441,
0.4178


 95.2457, 0.2750,
0.3766


 10.1621, 0.2308,
0.4362


 122.5391, 0.2781,
0.3726

 5.5066, 0.2112,
0.4639

 154.6041, 0.2808,
0.3691

 2.5474, 0.1800,
0.5102

 191.8249, 0.2830,
0.3662

 0.9003, 0.0000,
0.7809

234.5862, 0.2850,

 0.0000, 0.0000,

0.3637

0.0000

283.2722, 0.2867,
0.3615

■ 38.1510, 0.2610,
0.3950

■ 38.1510, 0.2610,
0.3950

■ 37.3521, 0.2573,
0.4081

■ 39.1779, 0.2665,
0.3823

■ 36.7567, 0.2555,
0.4213

■ 40.4459, 0.2736,
0.3702

■ 36.3424, 0.2558,
0.4345

■ 41.9723, 0.2819,
0.3588

■ 36.0838, 0.2572,
0.4461

■ 43.7715, 0.2912,
0.3482

■ 45.8568, 0.3012,
0.3386

■ 48.2407, 0.3116,
0.3299

■ 50.9349, 0.3221,
0.3221

■ 53.9505, 0.3327,
0.3152

■ 57.2979, 0.3431,
0.3090

Harmonies

Analogous

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



38.1510, 0.3203, 0.4392



38.1510, 0.2610, 0.3950



38.1510, 0.2183, 0.3293

Triad

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



38.1510, 0.2610, 0.3950



38.1510, 0.2406, 0.2302



38.1510, 0.4396, 0.3652

Complementary

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



38.1510, 0.2610, 0.3950



16.0968, 0.4336, 0.2770

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.



38.1510, 0.4152, 0.3167



38.1510, 0.2610, 0.3950



38.1510, 0.2945, 0.2429

Square

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



38.1510, 0.2610, 0.3950



38.1510, 0.2082, 0.2391



38.1510, 0.3596, 0.2736



38.1510, 0.4254, 0.4112

Rectangle

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



38.1510, 0.2610, 0.3950



38.1510, 0.2035, 0.2891



38.1510, 0.3596, 0.2736



38.1510, 0.4358, 0.3489

Sweetspot

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



38.1525, 0.2610, 0.3950



79.3795, 0.2940, 0.3455



38.5829, 0.3309, 0.5078



16.8915, 0.2911, 0.3483



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.



38.1525, 0.2610, 0.3950



66.5245, 0.2565, 0.4122



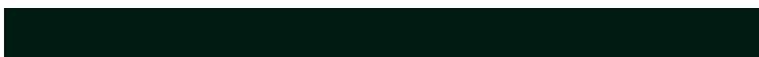
32.9054, 0.2329, 0.3012



10.1565, 0.3030, 0.3370



24.5825, 0.2568, 0.4444



0.8778, 0.2475, 0.4109

Inverse Universe

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



16.0968, 0.4336, 0.2770



23.7051, 0.4763, 0.2726



17.9185, 0.4857, 0.3517



9.0620, 0.3235, 0.3211



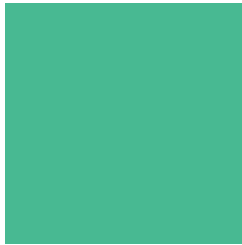
7.2866, 0.5563, 0.2838



0.2688, 0.4831, 0.2435

Previews

White Background



This preview shows how the Yxy color 38.1510, 0.2610, 0.3950 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 38.1510, 0.2610, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

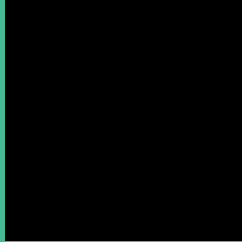
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1510, 0.2610, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 38.1510, 0.2610, 0.3950.



This preview shows how white text looks on a background with the Yxy color 38.1510, 0.2610, 0.3950.

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

38.1510, 0.2610, 0.3950

Protanopia

37.6865, 0.3475, 0.3704

Deuteranopia

37.5024, 0.3460, 0.3386



Tritanopia

38.2143, 0.2402, 0.3074

Trichromacy



Original Color

38.1510, 0.2610, 0.3950



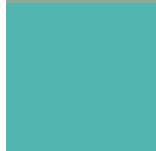
Protanomaly

36.7169, 0.3077, 0.3791



Deuteranomaly

36.2270, 0.3069, 0.3565



Tritanomaly

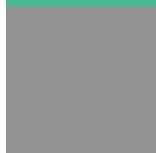
38.0213, 0.2474, 0.3368

Monochromacy



Original Color

38.1510, 0.2610, 0.3950



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.5894, 0.2872, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1510, 0.2610, 0.3950 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(72, 185, 146)` looks like.

```
.text, #text, p{  
    color:rgb(72, 185, 146)  
}
```

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(72, 185, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 185, 146) }
```

Border

The CSS property to change the border of an element to Yxy 38.1510, 0.2610, 0.3950 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(72, 185, 146) }
```

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

```
.border{ border-color:rgb(72, 185, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 185, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 185, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 185, 146);  
box-shadow:4px 4px 4px 4px rgb(72, 185,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1510, 0.2610, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 185, 146) }
```

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

```
.background{ background-color: rgb(72, 185,  
146) }
```

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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