

Converting Colors

$Yxy(38.0411, 0.2571, 0.3702)$

Have a look what the booklet for
Yxy(38.0411, 0.2571, 0.3702)
contains.

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Color

Yxy(38.0411, 0.2571, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	50B79E
RGB	80, 183, 158
RGB Percent	31%, 72%, 62%
CMY	0.6859, 0.2824, 0.3804
CMYK	0.56, 0.00, 0.14, 0.28
HSL	165°, 42%, 52%
HSV	165°, 56%, 72%
XYZ	26.4191, 38.0411, 38.2980
YIQ	149.3530, -53.3630, -29.6110

Conversions

Conversions Part 2

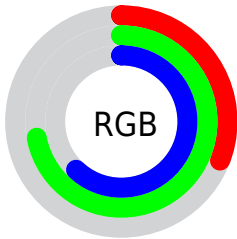
Format	Color
RYB	80, 139, 183
Decimal	5289886
CIELab	68.05, -35.98, 3.74
CIELCh	68, 36.172, 174.070
Yxy	38.0411, 0.2571, 0.3702
Android (android.graphics.Color)	4283479966 (0xFF50B79E)
YUV	149.3530, 4.2630, -60.8226
Hunter-Lab	61.6775, -31.4763, 6.3587

Details

The Yxy color **38.0411, 0.2571, 0.3702** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.8396, 0.4369, 0.2948**, and the grayscale version is **30.2206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5275, 0.2679, 0.3621**, and **16.7621, 0.2395, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **37.2002, 0.2517, 0.3790**, and if you desaturate by 10%, it is **39.1075, 0.2643, 0.3617**.

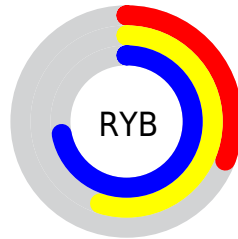
Distribution



Red (31%)

Green (72%)

Blue (62%)



Red (31%)

Yellow (55%)

Blue (72%)

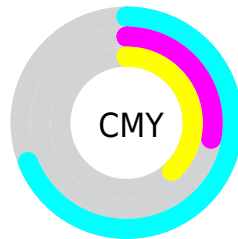


Cyan (56%)

Magenta (0%)

Yellow (14%)

Black (28%)



Cyan (69%)


Magenta (28%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0411, 0.2571, 0.3702 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 38.0411, 0.2571, 0.3702 by changing the saturation by 10% instead.


 38.0411, 0.2571,
0.3702


 38.0411, 0.2571,
0.3702


337.7962, 0.2859,
0.3486


 26.0146, 0.2496,
0.3760


 72.1711, 0.2678,
0.3621

 16.8346, 0.2398,
0.3836


 95.0434, 0.2717,
0.3591

 10.1166, 0.2264,
0.3941


 122.2998, 0.2750,
0.3566

 5.4763, 0.2072,
0.4095

 154.3246, 0.2779,
0.3545

 2.5294, 0.1775,
0.4343

191.5023, 0.2803,
0.3527

 0.8913, 0.0000,
0.5569

234.2172, 0.2824,

 0.0000, 0.0000,

0.3512

0.0000

282.8537, 0.2843,
0.3498

■ 38.0411, 0.2571,
0.3702

■ 38.0411, 0.2571,
0.3702

■ 37.2002, 0.2517,
0.3790

■ 39.1075, 0.2643,
0.3617

■ 36.5622, 0.2481,
0.3879

■ 40.4110, 0.2730,
0.3537

■ 36.1076, 0.2465,
0.3969

■ 41.9678, 0.2829,
0.3461

■ 35.8088, 0.2467,
0.4058

■ 43.7911, 0.2938,
0.3391

■ 35.7151, 0.2470,
0.4092

■ 45.8934, 0.3053,
0.3327

■ 48.2864, 0.3172,
0.3269

■ 50.9810, 0.3294,
0.3217

■ 53.9877, 0.3415,
0.3171

■ 57.3164, 0.3534,
0.3130

Harmonies

Analogous

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



38.0411, 0.3056, 0.4141



38.0411, 0.2571, 0.3702



38.0411, 0.2251, 0.3155

Triad

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



38.0411, 0.2571, 0.3702



38.0411, 0.2621, 0.2447



38.0411, 0.4206, 0.3731

Complementary

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



38.0411, 0.2571, 0.3702



16.8396, 0.4369, 0.2948

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.



38.0411, 0.4084, 0.3307



38.0411, 0.2571, 0.3702



38.0411, 0.3125, 0.2604

Square

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



38.0411, 0.2571, 0.3702



38.0411, 0.2281, 0.2476



38.0411, 0.3673, 0.2909



38.0411, 0.4013, 0.4094

Rectangle

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



38.0411, 0.2571, 0.3702



38.0411, 0.2160, 0.2841



38.0411, 0.3673, 0.2909



38.0411, 0.4202, 0.3591

Sweetspot

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



38.0426, 0.2571, 0.3702



78.0691, 0.2926, 0.3398



37.4981, 0.3225, 0.4975



17.0927, 0.2904, 0.3412



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.



38.0426, 0.2571, 0.3702



66.3890, 0.2508, 0.3806



29.3334, 0.2338, 0.2862



10.1723, 0.3017, 0.3346



24.9287, 0.2467, 0.4081



0.8879, 0.2403, 0.3852

Inverse Universe

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



16.8396, 0.4369, 0.2948



24.7969, 0.4807, 0.2913



20.9182, 0.4557, 0.3651



9.0470, 0.3251, 0.3235



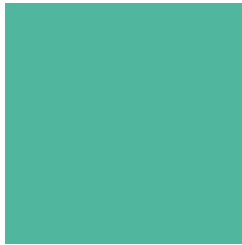
7.1616, 0.5921, 0.3036



0.2625, 0.5180, 0.2627

Previews

White Background



This preview shows how the Yxy color 38.0411, 0.2571, 0.3702 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 38.0411, 0.2571, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

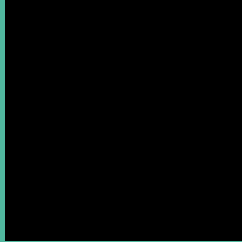
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0411, 0.2571, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 38.0411, 0.2571, 0.3702.



This preview shows how white text looks on a background with the Yxy color 38.0411, 0.2571, 0.3702.

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

38.0411, 0.2571, 0.3702

Protanopia

37.4597, 0.3347, 0.3519

Deuteranopia

37.2644, 0.3305, 0.3236



Tritanopia

37.9219, 0.2419, 0.3073

Trichromacy



Original Color

38.0411, 0.2571, 0.3702

Protanomaly

36.8818, 0.2999, 0.3582

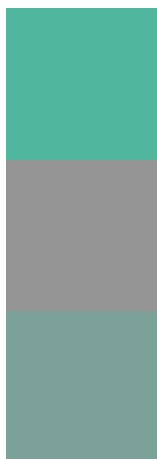
Deuteranomaly

36.5078, 0.2970, 0.3395

Tritanomaly

38.0125, 0.2473, 0.3288

Monochromacy



Original Color

38.0411, 0.2571, 0.3702

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.0418, 0.2866, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0411, 0.2571, 0.3702 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, 183, 158)` looks like.

```
.text, #text, p{  
    color:rgb(80, 183, 158)  
}
```

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, 183, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 183, 158) }
```

Border

The CSS property to change the border of an element to Yxy 38.0411, 0.2571, 0.3702 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, 183, 158) }
```

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

```
.border{ border-color:rgb(80, 183, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 183, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 183, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 183, 158);  
box-shadow:4px 4px 4px 4px rgb(80, 183,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0411, 0.2571, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 183, 158) }
```

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

```
.background{ background-color: rgb(80, 183,  
158) }
```

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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