

Converting Colors

$Yxy(38.4646, 0.2751, 0.5056)$

Have a look what the booklet for
Yxy(38.4646, 0.2751, 0.5056)
contains.

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Color

Yxy(38.5677, 0.2751, 0.5059)

Conversions

Conversions Part 1

Format	Color
Hex	0CC05D
RGB	12, 192, 93
RGB Percent	5%, 75%, 36%
CMY	0.9547, 0.2470, 0.6353
CMYK	0.94, 0.00, 0.52, 0.25
HSL	147°, 89%, 40%
HSV	147°, 94%, 75%
XYZ	20.9725, 38.5677, 16.6956
YIQ	126.8940, -75.5010, -68.9490

Conversions

Conversions Part 2

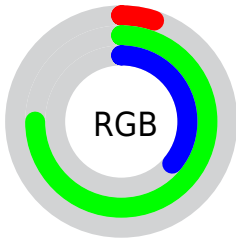
Format	Color
R _{YB}	12, 136, 192
Decimal	835677
CIE Lab	68.44, -61.81, 38.53
CIE LCh	68, 72.840, 148.061
Yxy	38.5677, 0.2751, 0.5059
Android (android.graphics.Color)	4279025757 (0xFF0CC05D)
YUV	126.8940, -16.7097, -100.7620
Hunter-Lab	62.1029, -48.3997, 27.5326

Details

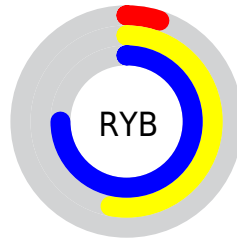
The Yxy color **38.5677, 0.2751, 0.5059** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed green. A complement of this color would be **12.5980, 0.4632, 0.2361**, and the grayscale version is **21.2168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1822, 0.2856, 0.4679**, and **18.0657, 0.2867, 0.5520** is the 20% darker color. If you saturate the color by 10%, you get **38.3866, 0.2770, 0.5172**, and if you desaturate by 10%, it is **38.9815, 0.2728, 0.4860**.

Distribution



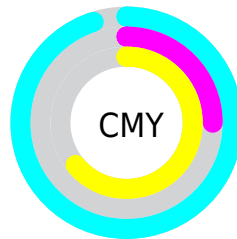
- Red (5%)
- Green (75%)
- Blue (36%)



- Red (5%)
- Yellow (53%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (52%)
- Black (25%)




- Cyan (95%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5677, 0.2751, 0.5059 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 38.5677, 0.2751, 0.5059 by changing the saturation by 10% instead.

 38.5677, 0.2751,
0.5059


 38.5677, 0.2751,
0.5059

340.0490, 0.2991,
0.4071


 26.4236, 0.2670,
0.5338


 72.9774, 0.2853,
0.4675


 17.1408, 0.2552,
0.5714


 96.0119, 0.2887,
0.4538


 10.3349, 0.2370,
0.6239


 123.4452, 0.2913,
0.4426

 5.6216, 0.2071,
0.7013

 155.6618, 0.2935,
0.4332

 2.6164, 0.1414,
0.8586

 193.0461, 0.2953,
0.4252

 0.9349, 0.0000,
1.0000

235.9825, 0.2968,

 0.0000, 0.0000,

0.4183

0.0000

284.8553, 0.2980,
0.4123

■ 38.5677, 0.2751,
0.5059

■ 38.5677, 0.2751,
0.5059

■ 38.3866, 0.2770,
0.5172

■ 38.9815, 0.2728,
0.4860

■ 39.5974, 0.2725,
0.4649

■ 40.4455, 0.2741,
0.4435

■ 41.5494, 0.2774,
0.4223

■ 42.9297, 0.2822,
0.4018

■ 44.6049, 0.2881,
0.3826

■ 46.5919, 0.2949,
0.3649

■ 48.9060, 0.3021,
0.3488

■ 51.5619, 0.3097,
0.3343

Harmonies

Analogous

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



38.5677, 0.3726, 0.5274



38.5677, 0.2751, 0.5059



38.5677, 0.1930, 0.3967

Triad

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



38.5677, 0.2751, 0.5059



38.5677, 0.1661, 0.1784



38.5677, 0.5101, 0.3295

Complementary

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



38.5677, 0.2751, 0.5059



12.5980, 0.4632, 0.2361

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.



38.5677, 0.4337, 0.2640



38.5677, 0.2751, 0.5059



38.5677, 0.2261, 0.1816

Square

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



38.5677, 0.2751, 0.5059



38.5677, 0.1407, 0.2071



38.5677, 0.3221, 0.2117



38.5677, 0.5156, 0.4011

Rectangle

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



38.5677, 0.2751, 0.5059



38.5677, 0.1585, 0.3142



38.5677, 0.3221, 0.2117



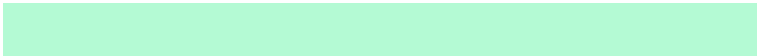
38.5677, 0.4917, 0.3068

Sweetspot

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



38.5693, 0.2751, 0.5059



82.7326, 0.2918, 0.3726



41.0962, 0.3464, 0.5594



17.4217, 0.2889, 0.3804



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.5693, 0.2751, 0.5059



69.4968, 0.2778, 0.5200



41.1972, 0.2295, 0.3432



11.3327, 0.3056, 0.3419



25.8422, 0.2764, 0.5149



1.1304, 0.2642, 0.4711

Inverse Universe

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



12.5980, 0.4632, 0.2361



22.1146, 0.4789, 0.2412



11.5127, 0.6238, 0.3265



10.1683, 0.3205, 0.3164



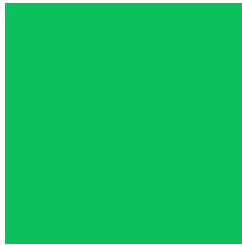
8.2476, 0.4734, 0.2381



0.3701, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 38.5677, 0.2751, 0.5059 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 38.5677, 0.2751, 0.5059 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 38.5677, 0.2751, 0.5059

Background



This preview shows how black text looks on a background with the Yxy color 38.5677, 0.2751, 0.5059.



This preview shows how white text looks on a background with the Yxy color 38.5677, 0.2751, 0.5059.

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

38.5677, 0.2751, 0.5059

Protanopia

37.9798, 0.4013, 0.4384

Deuteranopia

37.6924, 0.4092, 0.4012



Tritanopia

38.5291, 0.2332, 0.3057

Trichromacy



Original Color

38.5677, 0.2751, 0.5059



Protanomaly

35.4130, 0.3330, 0.4729



Deuteranomaly

34.4756, 0.3351, 0.4445



Tritanomaly

37.9312, 0.2459, 0.3728

Monochromacy



Original Color

38.5677, 0.2751, 0.5059



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

25.3023, 0.2826, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5677, 0.2751, 0.5059 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(12, 192, 93)` looks like.

```
.text, #text, p{  
    color:rgb(12, 192, 93)  
}
```

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(12, 192, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 192, 93) }
```

Border

The CSS property to change the border of an element to Yxy 38.5677, 0.2751, 0.5059 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(12, 192, 93) }
```

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

```
.border{ border-color:rgb(12, 192, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 192, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 192, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 192, 93);  
box-shadow:4px 4px 4px 4px rgb(12, 192,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5677, 0.2751, 0.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 192, 93) }
```

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

```
.background{ background-color: rgb(12, 192,  
93) }
```

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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