

Converting Colors

$Y_{xy}(38.5890, 0.2631, 0.4673)$

Have a look what the booklet for
Yxy(38.5890, 0.2631, 0.4673)
contains.

Yxy(38.4765, 0.2631, 0.4672)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.4765, 0.2631, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	00BF72
RGB	0, 191, 114
RGB Percent	0%, 75%, 45%
CMY	1.0000, 0.2510, 0.5528
CMYK	1.00, 0.00, 0.40, 0.25
HSL	156°, 100%, 37%
HSV	156°, 100%, 75%
XYZ	21.6677, 38.4765, 22.2113
YIQ	125.1130, -89.1190, -64.4390

Conversions

Conversions Part 2

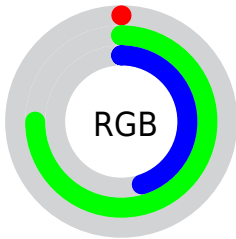
Format	Color
RYB	0, 120, 191
Decimal	49010
CIELab	68.37, -58.22, 27.73
CIELCh	68, 64.491, 154.531
Yxy	38.4765, 0.2631, 0.4672
Android (android.graphics.Color)	4278239090 (0xFF00BF72)
YUV	125.1130, -5.4787, -109.7241
Hunter-Lab	62.0294, -46.1990, 22.1902

Details

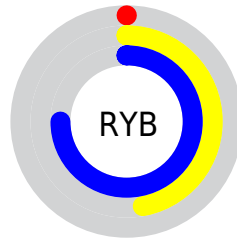
The Yxy color **38.4765, 0.2631, 0.4672** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.6124, 0.5372, 0.2733**, and the grayscale version is **20.5913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1381, 0.2743, 0.4372**, and **17.9900, 0.2733, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **38.4789, 0.2631, 0.4672**, and if you desaturate by 10%, it is **38.8012, 0.2610, 0.4521**.

Distribution



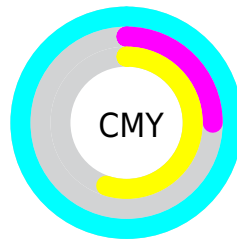
- Red (0%)
- Green (75%)
- Blue (45%)



- Red (0%)
- Yellow (47%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4765, 0.2631, 0.4672 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 38.4765, 0.2631, 0.4672 by changing the saturation by 10% instead.

 38.4765, 0.2631,
0.4672


 38.4765, 0.2631,
0.4672


339.6596, 0.2914,
0.3905

 26.3527, 0.2547,
0.4890


 72.8379, 0.2743,
0.4374

 17.0877, 0.2431,
0.5185


 95.8443, 0.2782,
0.4268

 10.2970, 0.2262,
0.5606


 123.2471, 0.2815,
0.4181

 5.5963, 0.1997,
0.6242

 155.4305, 0.2841,
0.4108

 2.6012, 0.1510,
0.7677

 192.7791, 0.2864,
0.4046

 0.9273, 0.0000,
1.0000

 235.6773, 0.2883,

 0.0000, 0.0000,

0.3992

0.0000

284.5093, 0.2900,
0.3946

■ 38.4765, 0.2631,
0.4672

■ 38.4765, 0.2631,
0.4672

■ 38.4789, 0.2631,
0.4672

■ 38.8012, 0.2610,
0.4521

■ 39.2755, 0.2604,
0.4366

■ 39.9517, 0.2619,
0.4209

■ 40.8551, 0.2653,
0.4054

■ 42.0072, 0.2705,
0.3903

■ 43.4269, 0.2772,
0.3760

■ 45.1312, 0.2851,
0.3626

■ 47.1357, 0.2938,
0.3503

■ 49.4549, 0.3031,
0.3391

Harmonies

Analogous

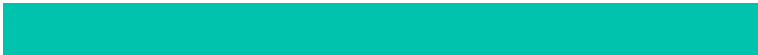
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4765, 0.3511, 0.5076



38.4765, 0.2631, 0.4672



38.4765, 0.1937, 0.3653

Triad

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



38.4765, 0.2631, 0.4672



38.4765, 0.1886, 0.1903



38.4765, 0.4955, 0.3463

Complementary

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



38.4765, 0.2631, 0.4672



11.6124, 0.5372, 0.2733

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.



38.4765, 0.4391, 0.2835



38.4765, 0.2631, 0.4672



38.4765, 0.2515, 0.1985

Square

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



38.4765, 0.2631, 0.4672



38.4765, 0.1581, 0.2110



38.4765, 0.3434, 0.2314



38.4765, 0.4897, 0.4133

Rectangle

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



38.4765, 0.2631, 0.4672



38.4765, 0.1665, 0.2969



38.4765, 0.3434, 0.2314



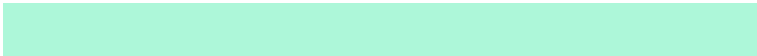
38.4765, 0.4833, 0.3247

Sweetspot

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



38.4789, 0.2631, 0.4672



80.6695, 0.2847, 0.3633



38.9509, 0.3259, 0.5795



17.4164, 0.2812, 0.3689



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.



38.4789, 0.2631, 0.4672



68.8633, 0.2637, 0.4695



34.4557, 0.2174, 0.3027



10.7427, 0.3037, 0.3384



25.3029, 0.2625, 0.4652



1.0038, 0.2524, 0.4287

Inverse Universe

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



11.6124, 0.5372, 0.2733



20.7519, 0.5410, 0.2754



11.4450, 0.6340, 0.3348



9.5984, 0.3227, 0.3198



7.6462, 0.5337, 0.2714



0.3125, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 38.4765, 0.2631, 0.4672 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 38.4765, 0.2631, 0.4672 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 38.4765, 0.2631, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 38.4765, 0.2631, 0.4672.



This preview shows how white text looks on a background with the Yxy color 38.4765, 0.2631, 0.4672.

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

38.4765, 0.2631, 0.4672

Protanopia

37.6130, 0.3825, 0.4137

Deuteranopia

37.9372, 0.3856, 0.3782



Tritanopia

38.2985, 0.2309, 0.3056

Trichromacy



Original Color

38.4765, 0.2631, 0.4672



Protanomaly

34.9997, 0.3132, 0.4400



Deuteranomaly

34.8177, 0.3139, 0.4147



Tritanomaly

37.9866, 0.2399, 0.3606

Monochromacy



Original Color

38.4765, 0.2631, 0.4672



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.5808, 0.2736, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4765, 0.2631, 0.4672 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(0, 191, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 114)  
}
```

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(0, 191, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 114) }
```

Border

The CSS property to change the border of an element to Yxy 38.4765, 0.2631, 0.4672 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(0, 191, 114) }
```

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

```
.border{ border-color:rgb(0, 191, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4765, 0.2631, 0.4672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 114) }
```

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

```
.background{ background-color: rgb(0, 191,  
114) }
```

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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