

Converting Colors

$Y_{xy}(38.6089, 0.2627, 0.4656)$

Have a look what the booklet for
Yxy(38.6089, 0.2627, 0.4656)
contains.

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Color

Yxy(38.4994, 0.2626, 0.4654)

Conversions

Conversions Part 1

Format	Color
Hex	00BF73
RGB	0, 191, 115
RGB Percent	0%, 75%, 45%
CMY	1.0000, 0.2510, 0.5491
CMYK	1.00, 0.00, 0.40, 0.25
HSL	156°, 100%, 37%
HSV	156°, 100%, 75%
XYZ	21.7231, 38.4994, 22.5007
YIQ	125.2270, -89.4400, -64.1280

Conversions

Conversions Part 2

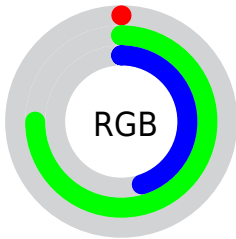
Format	Color
RYB	0, 119, 191
Decimal	49011
CIELab	68.39, -58.04, 27.25
CIELCh	68, 64.116, 154.847
Yxy	38.4994, 0.2626, 0.4654
Android (android.graphics.Color)	4278239091 (0xFF00BF73)
YUV	125.2270, -5.0419, -109.8241
Hunter-Lab	62.0479, -46.0905, 21.9329

Details

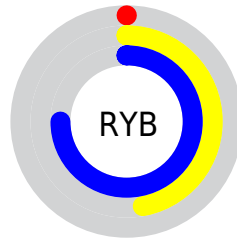
The Yxy color **38.4994, 0.2626, 0.4654** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.5993, 0.5392, 0.2744**, and the grayscale version is **20.6292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1752, 0.2739, 0.4358**, and **18.0017, 0.2726, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **38.5018, 0.2626, 0.4654**, and if you desaturate by 10%, it is **38.8236, 0.2605, 0.4504**.

Distribution



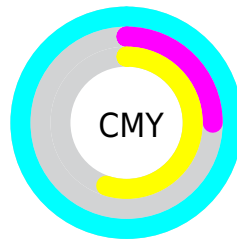
- Red (0%)
- Green (75%)
- Blue (45%)



- 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 38.4994, 0.2626, 0.4654 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 38.4994, 0.2626, 0.4654 by changing the saturation by 10% instead.


 38.4994, 0.2626,
0.4654


 38.4994, 0.2626,
0.4654


339.7574, 0.2911,
0.3898


 26.3705, 0.2542,
0.4869


 72.8729, 0.2739,
0.4360

 17.1010, 0.2426,
0.5160

 95.8864, 0.2778,
0.4256


 10.3066, 0.2257,
0.5575


 123.2968, 0.2810,
0.4170

 5.6027, 0.1994,
0.6203

 155.4886, 0.2837,
0.4098

 2.6050, 0.1508,
0.7586

 192.8462, 0.2860,
0.4036

 0.9292, 0.0000,
1.0000

 235.7539, 0.2880,

 0.0000, 0.0000,

0.3984

0.0000

284.5962, 0.2896,
0.3938

■ 38.4994, 0.2626,
0.4654

■ 38.4994, 0.2626,
0.4654

■ 38.5018, 0.2626,
0.4654

■ 38.8236, 0.2605,
0.4504

■ 39.2971, 0.2600,
0.4351

■ 39.9721, 0.2615,
0.4197

■ 40.8739, 0.2650,
0.4044

■ 42.0241, 0.2702,
0.3895

■ 43.4414, 0.2769,
0.3754

■ 45.1431, 0.2849,
0.3622

■ 47.1445, 0.2937,
0.3500

■ 49.4601, 0.3030,
0.3390

Harmonies

Analogous

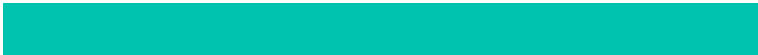
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4994, 0.3501, 0.5065



38.4994, 0.2626, 0.4654



38.4994, 0.1938, 0.3640

Triad

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



38.4994, 0.2626, 0.4654



38.4994, 0.1897, 0.1909



38.4994, 0.4947, 0.3470

Complementary

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



38.4994, 0.2626, 0.4654



11.5993, 0.5392, 0.2744

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.



38.4994, 0.4392, 0.2844



38.4994, 0.2626, 0.4654



38.4994, 0.2527, 0.1993

Square

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



38.4994, 0.2626, 0.4654



38.4994, 0.1590, 0.2113



38.4994, 0.3443, 0.2323



38.4994, 0.4884, 0.4137

Rectangle

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



38.4994, 0.2626, 0.4654



38.4994, 0.1669, 0.2962



38.4994, 0.3443, 0.2323



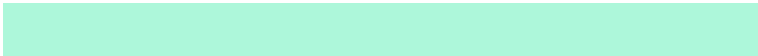
38.4994, 0.4828, 0.3255

Sweetspot

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



38.5018, 0.2626, 0.4654



80.6889, 0.2845, 0.3628



38.8174, 0.3240, 0.5810



17.4212, 0.2810, 0.3683



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.



38.5018, 0.2626, 0.4654



68.9027, 0.2632, 0.4677



33.2310, 0.2159, 0.2972



10.7435, 0.3036, 0.3383



25.3173, 0.2621, 0.4634



1.0043, 0.2521, 0.4274

Inverse Universe

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



11.5993, 0.5392, 0.2744



20.7281, 0.5431, 0.2765



11.5463, 0.6323, 0.3361



9.5976, 0.3228, 0.3199



7.6373, 0.5357, 0.2725



0.3121, 0.4723, 0.2376

Previews

White Background



This preview shows how the Yxy color 38.4994, 0.2626, 0.4654 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 38.4994, 0.2626, 0.4654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

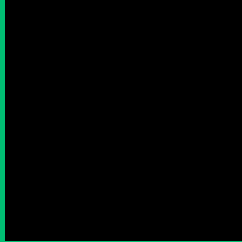
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4994, 0.2626, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 38.4994, 0.2626, 0.4654.



This preview shows how white text looks on a background with the Yxy color 38.4994, 0.2626, 0.4654.

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

38.4994, 0.2626, 0.4654

Protanopia

37.6335, 0.3817, 0.4124

Deuteranopia

37.8284, 0.3836, 0.3771



Tritanopia

38.2985, 0.2309, 0.3056

Trichromacy



Original Color

38.4994, 0.2626, 0.4654



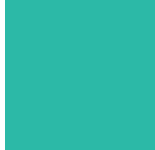
Protanomaly

35.0211, 0.3125, 0.4383



Deuteranomaly

34.7670, 0.3122, 0.4133



Tritanomaly

38.0234, 0.2394, 0.3589

Monochromacy



Original Color

38.4994, 0.2626, 0.4654



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 38.4994, 0.2626, 0.4654 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 115) }
```

Border

The CSS property to change the border of an element to Yxy 38.4994, 0.2626, 0.4654 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, 115) }
```

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

```
.border{ border-color:rgb(0, 191, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4994, 0.2626, 0.4654 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, 115) }
```

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

```
.background{ background-color: rgb(0, 191,  
115) }
```

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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