

Converting Colors

$Y_{xy}(32.1694, 0.3851, 0.5324)$

Have a look what the booklet for
Yxy(32.1694, 0.3851, 0.5324)
contains.

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Color

Yxy(32.2590, 0.3849, 0.5326)

Conversions

Conversions Part 1

Format	Color
Hex	85A600
RGB	133, 166, 0
RGB Percent	52%, 65%, 0%
CMY	0.4783, 0.3490, 1.0000
CMYK	0.20, 0.00, 1.00, 0.35
HSL	72°, 100%, 33%
HSV	72°, 100%, 65%
XYZ	23.3130, 32.2590, 4.9969
YIQ	137.2090, 33.6180, -58.6220

Conversions

Conversions Part 2

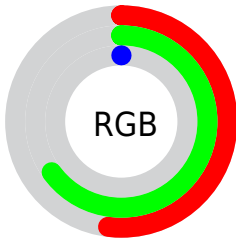
Format	Color
RYB	0, 166, 33
Decimal	8758784
CIELab	63.56, -29.93, 65.56
CIELCh	64, 72.070, 114.538
Yxy	32.2590, 0.3849, 0.5326
Android (android.graphics.Color)	4286948864 (0xFF85A600)
YUV	137.2090, -67.6440, -3.6913
Hunter-Lab	56.7970, -26.1274, 34.5416

Details

The Yxy color **32.2590, 0.3849, 0.5326** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.0758, 0.1602, 0.0656**, and the grayscale version is **25.3543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1681, 0.3783, 0.4942**, and **13.6543, 0.3669, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **32.2605, 0.3849, 0.5326**, and if you desaturate by 10%, it is **32.5723, 0.3858, 0.5249**.

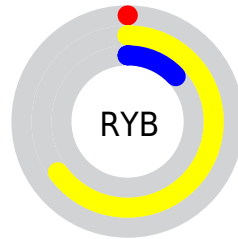
Distribution



Red (52%)

Green (65%)

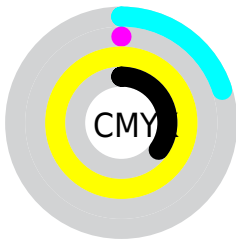
Blue (0%)



Red (0%)

Yellow (65%)

Blue (13%)

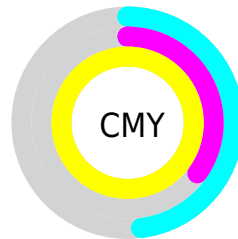


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (48%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2590, 0.3849, 0.5326 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 32.2590, 0.3849, 0.5326 by changing the saturation by 10% instead.


 32.2590, 0.3849,
0.5326


 32.2590, 0.3849,
0.5326


312.2974, 0.3573,
0.4261


 21.5594, 0.3863,
0.5572


 63.2169, 0.3784,
0.4945


 13.5335, 0.3844,
0.5867


 84.2440, 0.3747,
0.4798


 7.7969, 0.3767,
0.6233


 109.4824, 0.3712,
0.4674

 3.9653, 0.3475,
0.6525

 139.3164, 0.3680,
0.4567

 1.6542, 0.2961,
0.7039

 174.1306, 0.3649,
0.4475

 0.3937, 0.0000,
1.0000

 214.3092, 0.3621,

 0.0000, 0.0000,

0.4394

0.0000

260.2367, 0.3596,
0.4324

32.2590, 0.3849,
0.5326

32.2590, 0.3849,
0.5326

32.2605, 0.3849,
0.5326

32.5723, 0.3858,
0.5249

32.9252, 0.3848,
0.5137

33.3325, 0.3813,
0.4980

33.8003, 0.3753,
0.4783

34.3338, 0.3673,
0.4555

■ 34.9375, 0.3577,
0.4307

■ 35.6154, 0.3470,
0.4047

■ 36.3714, 0.3356,
0.3787

■ 37.2088, 0.3241,
0.3533

Harmonies

Analogous

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



32.2590, 0.4743, 0.4702



32.2590, 0.3849, 0.5326



32.2590, 0.2838, 0.5244

Triad

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



32.2590, 0.3849, 0.5326



32.2590, 0.1337, 0.2077



32.2590, 0.4264, 0.2537

Complementary

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



32.2590, 0.3849, 0.5326



3.0758, 0.1602, 0.0656

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.



32.2590, 0.3087, 0.2022



32.2590, 0.3849, 0.5326



32.2590, 0.1558, 0.1742

Square

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



32.2590, 0.3849, 0.5326



32.2590, 0.1449, 0.2881



32.2590, 0.2130, 0.1743



32.2590, 0.5138, 0.3198

Rectangle

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



32.2590, 0.3849, 0.5326



32.2590, 0.2217, 0.4599



32.2590, 0.2130, 0.1743



32.2590, 0.3874, 0.2344

Sweetspot

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



32.2605, 0.3849, 0.5326



64.5694, 0.3476, 0.4062



9.0572, 0.6195, 0.3463



14.3347, 0.3520, 0.4168



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.2605, 0.3849, 0.5326



58.4622, 0.3843, 0.5331



28.0164, 0.3161, 0.5872



8.6975, 0.3233, 0.3515



25.0373, 0.3852, 0.5323



0.6278, 0.3972, 0.5228

Inverse Universe

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



3.0758, 0.1602, 0.0656



5.5112, 0.1590, 0.0650



6.2924, 0.2429, 0.1112



7.3696, 0.3016, 0.3059



2.4016, 0.1609, 0.0660



0.0781, 0.1911, 0.0826

Previews

White Background



This preview shows how the Yxy color 32.2590, 0.3849, 0.5326 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 32.2590, 0.3849, 0.5326 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 32.2590, 0.3849, 0.5326

Background



This preview shows how black text looks on a background with the Yxy color 32.2590, 0.3849, 0.5326.



This preview shows how white text looks on a background with the Yxy color 32.2590, 0.3849, 0.5326.

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

32.2590, 0.3849, 0.5326

Protanopia

31.9954, 0.4399, 0.4889

Deuteranopia

32.1208, 0.4641, 0.4551



Tritanopia

32.1043, 0.2944, 0.3093

Trichromacy



Original Color

32.2590, 0.3849, 0.5326

Protanomaly

31.7228, 0.4193, 0.5053

Deuteranomaly

31.6001, 0.4366, 0.4837

Tritanomaly

31.2451, 0.3440, 0.4137

Monochromacy



Original Color

32.2590, 0.3849, 0.5326

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.1022, 0.3587, 0.4327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2590, 0.3849, 0.5326 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(133, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 166, 0)  
}
```

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(133, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.2590, 0.3849, 0.5326 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(133, 166, 0) }
```

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

```
.border{ border-color:rgb(133, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 166,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2590, 0.3849, 0.5326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 166, 0) }
```

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

```
.background{ background-color: rgb(133,  
166, 0) }
```

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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