

Converting Colors

$Y_{xy}(35.2020, 0.3834, 0.5104)$

Have a look what the booklet for
Yxy(35.2020, 0.3834, 0.5104)
contains.

Yxy(35.2016, 0.3833, 0.5105)	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(35.2016, 0.3833, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	90AB27
RGB	144, 171, 39
RGB Percent	56%, 67%, 15%
CMY	0.4353, 0.3294, 0.8469
CMYK	0.16, 0.00, 0.77, 0.33
HSL	72°, 63%, 41%
HSV	72°, 77%, 67%
XYZ	26.4305, 35.2016, 7.3230
YIQ	147.8790, 26.2800, -46.7760

Conversions

Conversions Part 2

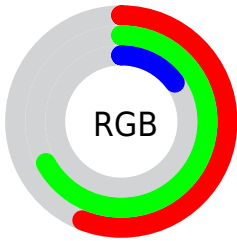
Format	Color
RYB	39, 171, 66
Decimal	9480999
CIELab	65.91, -26.68, 59.88
CIELCh	66, 65.558, 114.018
Yxy	35.2016, 0.3833, 0.5105
Android (android.graphics.Color)	4287671079 (0xFF90AB27)
YUV	147.8790, -53.6773, -3.4019
Hunter-Lab	59.3309, -24.3117, 34.2137

Details

The Yxy color **35.2016, 0.3833, 0.5105** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.5530, 0.1880, 0.1011**, and the grayscale version is **29.7828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6364, 0.3756, 0.4761**, and **15.3175, 0.3770, 0.5389** is the 20% darker color. If you saturate the color by 10%, you get **34.8039, 0.3849, 0.5231**, and if you desaturate by 10%, it is **35.6633, 0.3792, 0.4935**.

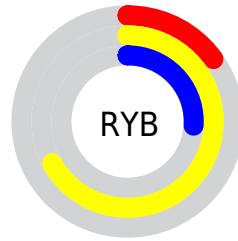
Distribution



Red (56%)

Green (67%)

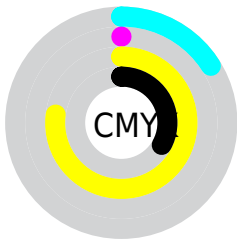
Blue (15%)



Red (15%)

Yellow (67%)

Blue (26%)

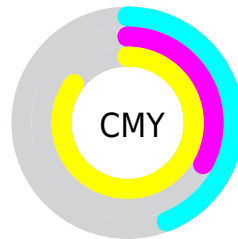


Cyan (16%)

Magenta (0%)

Yellow (77%)

Black (33%)



Cyan (44%)


Magenta (33%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2016, 0.3833, 0.5105 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 35.2016, 0.3833, 0.5105 by changing the saturation by 10% instead.


 35.2016, 0.3833,
0.5105


 35.2016, 0.3833,
0.5105


325.4573, 0.3541,
0.4159

 23.8182, 0.3867,
0.5331

 67.7980, 0.3751,
0.4763

 15.1988, 0.3882,
0.5602


 89.7797, 0.3712,
0.4633

 8.9590, 0.3900,
0.6006


 116.0631, 0.3677,
0.4523

 4.7145, 0.3704,
0.6296

 147.0324, 0.3644,
0.4428

 2.0807, 0.3323,
0.6677

 183.0721, 0.3614,
0.4347

 0.6538, 0.0000,
1.0000

 224.5665, 0.3587,

 0.0000, 0.0000,

0.4276

0.0000

271.9001, 0.3563,
0.4214

■ 35.2016, 0.3833,
0.5105

■ 35.2016, 0.3833,
0.5105

■ 34.8039, 0.3849,
0.5231

■ 35.6633, 0.3792,
0.4935

■ 34.4563, 0.3841,
0.5314

■ 36.1905, 0.3728,
0.4728

■ 34.3626, 0.3838,
0.5335

■ 36.7901, 0.3644,
0.4492

■ 37.4668, 0.3545,
0.4238

■ 38.2248, 0.3436,
0.3976

■ 39.0682, 0.3322,
0.3716

■ 40.0006, 0.3208,
0.3463

■ 41.0254, 0.3096,
0.3224

■ 42.1460, 0.2988,
0.3001

Harmonies

Analogous

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



35.2016, 0.4625, 0.4594



35.2016, 0.3833, 0.5105



35.2016, 0.2913, 0.4995

Triad

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



35.2016, 0.3833, 0.5105



35.2016, 0.1491, 0.2219



35.2016, 0.4121, 0.2608

Complementary

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



35.2016, 0.3833, 0.5105



5.5530, 0.1880, 0.1011

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.



35.2016, 0.3083, 0.2132



35.2016, 0.3833, 0.5105



35.2016, 0.1692, 0.1888

Square

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



35.2016, 0.3833, 0.5105



35.2016, 0.1613, 0.2964



35.2016, 0.2220, 0.1877



35.2016, 0.4903, 0.3224

Rectangle

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



35.2016, 0.3833, 0.5105



35.2016, 0.2343, 0.4446



35.2016, 0.2220, 0.1877



35.2016, 0.3778, 0.2428

Sweetspot

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



35.2032, 0.3833, 0.5105



69.0056, 0.3393, 0.3877



12.6346, 0.5440, 0.3603



15.2735, 0.3433, 0.3969



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



35.2032, 0.3833, 0.5105



61.8574, 0.3844, 0.5296



30.9204, 0.3238, 0.5524



9.2462, 0.3232, 0.3516



25.9254, 0.3841, 0.5332



0.7419, 0.3954, 0.5242

Inverse Universe

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



5.5530, 0.1880, 0.1011



6.5149, 0.1655, 0.0715



9.2516, 0.2646, 0.1399



7.8332, 0.3016, 0.3058



2.5046, 0.1613, 0.0662



0.0920, 0.1902, 0.0822

Previews

White Background



This preview shows how the Yxy color 35.2016, 0.3833, 0.5105 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 35.2016, 0.3833, 0.5105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

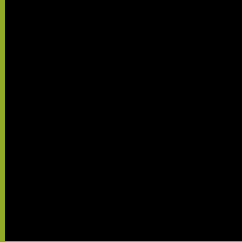
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2016, 0.3833, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 35.2016, 0.3833, 0.5105.



This preview shows how white text looks on a background with the Yxy color 35.2016, 0.3833, 0.5105.

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

35.2016, 0.3833, 0.5105

Protanopia

34.9723, 0.4319, 0.4763

Deuteranopia

34.9492, 0.4550, 0.4469



Tritanopia

34.9429, 0.2995, 0.3101

Trichromacy



Original Color

35.2016, 0.3833, 0.5105

Protanomaly

34.9000, 0.4140, 0.4890

Deuteranomaly

34.6890, 0.4289, 0.4695

Tritanomaly

34.3250, 0.3368, 0.3894

Monochromacy



Original Color

35.2016, 0.3833, 0.5105

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0627, 0.3482, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2016, 0.3833, 0.5105 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(144, 171, 39)` looks like.

```
.text, #text, p{  
    color:rgb(144, 171, 39)  
}
```

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(144, 171, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 171, 39) }
```

Border

The CSS property to change the border of an element to Yxy 35.2016, 0.3833, 0.5105 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(144, 171, 39) }
```

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

```
.border{ border-color:rgb(144, 171, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 171, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 171, 39); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 171, 39); box-shadow:4px 4px 4px 4px rgb(144, 171, 39) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2016, 0.3833, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 171, 39) }
```

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

```
.background{ background-color: rgb(144,  
171, 39) }
```

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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