

Converting Colors

$Yxy(35.3238, 0.3919, 0.4549)$

Have a look what the booklet for
Yxy(35.3238, 0.3919, 0.4549)
contains.

Yxy(35.1659, 0.3917, 0.4550)	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(35.1659, 0.3917, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	A6A44B
RGB	166, 164, 75
RGB Percent	65%, 64%, 29%
CMY	0.3490, 0.3569, 0.7059
CMYK	0.00, 0.01, 0.55, 0.35
HSL	59°, 38%, 47%
HSV	59°, 55%, 65%
XYZ	30.2736, 35.1659, 11.8482
YIQ	154.4520, 29.7610, -27.2550

Conversions

Conversions Part 2

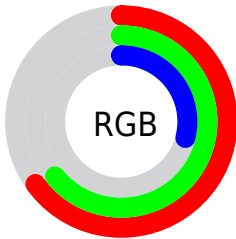
Format	Color
RYB	77, 166, 75
Decimal	10921035
CIELab	65.88, -11.46, 45.69
CIElCh	66, 47.100, 104.078
Yxy	35.1659, 0.3917, 0.4550
Android (android.graphics.Color)	4289111115 (0xFFA6A44B)
YUV	154.4520, -39.1698, 10.1276
Hunter-Lab	59.3008, -12.6507, 29.6646

Details

The Yxy color **35.1659, 0.3917, 0.4550** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5593, 0.2099, 0.1613**, and the grayscale version is **32.6915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8833, 0.3783, 0.4310**, and **15.0949, 0.4103, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **34.8377, 0.4028, 0.4723**, and if you desaturate by 10%, it is **35.5570, 0.3788, 0.4347**.

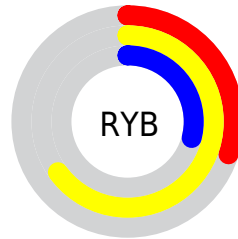
Distribution



Red (65%)

Green (64%)

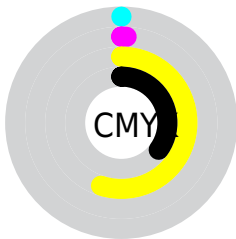
Blue (29%)



Red (30%)

Yellow (65%)

Blue (29%)

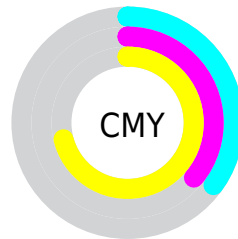


Cyan (0%)

Magenta (1%)

Yellow (55%)

Black (35%)



Cyan (35%)


Magenta (36%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1659, 0.3917, 0.4550 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 35.1659, 0.3917, 0.4550 by changing the saturation by 10% instead.


 35.1659, 0.3917,
0.4550


 35.1659, 0.3917,
0.4550

325.3000, 0.3535,
0.3897


 23.7907, 0.3999,
0.4711

 67.7427, 0.3786,
0.4312


 15.1784, 0.4091,
0.4910


 89.7131, 0.3734,
0.4222


 8.9447, 0.4186,
0.5157


 115.9840, 0.3689,
0.4147

 4.7051, 0.4384,
0.5616

 146.9398, 0.3650,
0.4082

 2.0753, 0.4226,
0.5774

 182.9649, 0.3616,
0.4026

 0.6507, 0.3424,
0.6576

224.4437, 0.3586,

 0.0000, 0.0000,

0.3978

0.0000

271.7606, 0.3559,
0.3935

■ 35.1659, 0.3917,
0.4550

■ 35.1659, 0.3917,
0.4550

■ 34.8377, 0.4028,
0.4723

■ 35.5570, 0.3788,
0.4347

■ 34.5629, 0.4116,
0.4858

■ 36.0104, 0.3645,
0.4121

■ 34.3377, 0.4179,
0.4951

■ 36.5315, 0.3496,
0.3883

■ 34.1553, 0.4217,
0.5003

■ 37.1239, 0.3345,
0.3641

■ 34.0692, 0.4232,
0.5022

■ 37.7908, 0.3197,
0.3402

■ 38.5353, 0.3054,
0.3172

■ 39.3604, 0.2920,
0.2955

■ 40.2687, 0.2795,
0.2752

■ 41.2630, 0.2680,
0.2565

Harmonies

Analogous

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



35.1659, 0.4412, 0.4167



35.1659, 0.3917, 0.4550



35.1659, 0.3243, 0.4570

Triad

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



35.1659, 0.3917, 0.4550



35.1659, 0.1879, 0.2675



35.1659, 0.3611, 0.2645

Complementary

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



35.1659, 0.3917, 0.4550



9.5593, 0.2099, 0.1613

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.



35.1659, 0.2875, 0.2318



35.1659, 0.3917, 0.4550



35.1659, 0.1950, 0.2294

Square

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



35.1659, 0.3917, 0.4550



35.1659, 0.2088, 0.3330



35.1659, 0.2288, 0.2188



35.1659, 0.4261, 0.3111

Rectangle

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



35.1659, 0.3917, 0.4550



35.1659, 0.2784, 0.4299



35.1659, 0.2288, 0.2188



35.1659, 0.3361, 0.2517

Sweetspot

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



35.1675, 0.3917, 0.4550



67.1964, 0.3367, 0.3677



13.6912, 0.4657, 0.3249



14.9884, 0.3397, 0.3724



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.



35.1675, 0.3917, 0.4550



63.0863, 0.4051, 0.4759



32.0367, 0.3466, 0.4795



8.7449, 0.3263, 0.3508



26.4234, 0.4231, 0.5022



0.6514, 0.4218, 0.5033

Inverse Universe

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



9.5593, 0.2099, 0.1613



11.7289, 0.1860, 0.1216



11.6006, 0.2552, 0.1762



7.3262, 0.2986, 0.3062



2.2060, 0.1505, 0.0618



0.0617, 0.1528, 0.0700

Previews

White Background



This preview shows how the Yxy color 35.1659, 0.3917, 0.4550 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 35.1659, 0.3917, 0.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

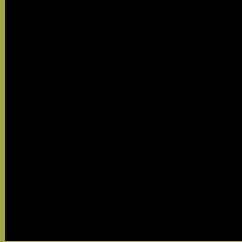
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1659, 0.3917, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 35.1659, 0.3917, 0.4550.



This preview shows how white text looks on a background with the Yxy color 35.1659, 0.3917, 0.4550.

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

35.1659, 0.3917, 0.4550

Protanopia

34.9831, 0.4070, 0.4458

Deuteranopia

34.8768, 0.4315, 0.4224



Tritanopia

34.9783, 0.3224, 0.3122

Trichromacy



Original Color

35.1659, 0.3917, 0.4550

Protanomaly

34.8684, 0.4020, 0.4491

Deuteranomaly

34.7519, 0.4175, 0.4333

Tritanomaly

34.9178, 0.3503, 0.3654

Monochromacy



Original Color

35.1659, 0.3917, 0.4550

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.2035, 0.3433, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1659, 0.3917, 0.4550 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(166, 164, 75)` looks like.

```
.text, #text, p{  
    color:rgb(166, 164, 75)  
}
```

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(166, 164, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 164, 75) }
```

Border

The CSS property to change the border of an element to Yxy 35.1659, 0.3917, 0.4550 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(166, 164, 75) }
```

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

```
.border{ border-color:rgb(166, 164, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 164, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 164, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 164, 75);  
box-shadow:4px 4px 4px 4px rgb(166, 164,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1659, 0.3917, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 164, 75) }
```

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

```
.background{ background-color: rgb(166,  
164, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor