

Converting Colors

$Yxy(17.5347, 0.3111, 0.5399)$

Have a look what the booklet for
Yxy(17.5347, 0.3111, 0.5399)
contains.

Yxy(17.6583, 0.3113, 0.5396)	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(17.6583, 0.3113, 0.5396)

Conversions

Conversions Part 1

Format	Color
Hex	348528
RGB	52, 133, 40
RGB Percent	20%, 52%, 16%
CMY	0.7960, 0.4784, 0.8431
CMYK	0.61, 0.00, 0.70, 0.48
HSL	112°, 54%, 34%
HSV	112°, 70%, 52%
XYZ	10.1872, 17.6583, 4.8793
YIQ	98.1790, -18.4230, -46.0950

Conversions

Conversions Part 2

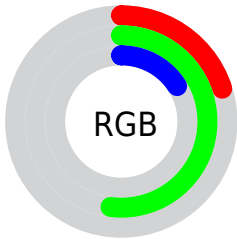
Format	Color
RYB	40, 133, 121
Decimal	3441960
CIELab	49.08, -43.01, 41.17
CIELCh	49, 59.533, 136.252
Yxy	17.6583, 0.3113, 0.5396
Android (android.graphics.Color)	4281632040 (0xFF348528)
YUV	98.1790, -28.6822, -40.4990
Hunter-Lab	42.0218, -30.2648, 22.5309

Details

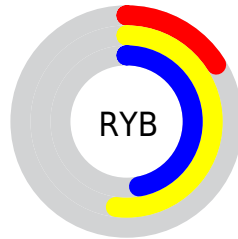
The Yxy color **17.6583, 0.3113, 0.5396** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.2761, 0.2990, 0.1689**, and the grayscale version is **12.3386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4670, 0.3177, 0.4861**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.3129, 0.3091, 0.5649**, and if you desaturate by 10%, it is **18.1118, 0.3129, 0.5094**.

Distribution



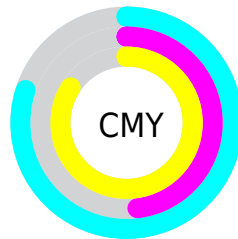
- Red (20%)
- Green (52%)
- Blue (16%)



- Red (16%)
- Yellow (52%)
- Blue (47%)



- Cyan (61%)
- Magenta (0%)
- Yellow (70%)
- Black (48%)




- Cyan (80%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6583, 0.3113, 0.5396 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 17.6583, 0.3113, 0.5396 by changing the saturation by 10% instead.


 17.6583, 0.3113,
0.5396


 17.6583, 0.3113,
0.5396


238.9379, 0.3194,
0.4102


 10.7049, 0.3034,
0.5815


 39.4542, 0.3175,
0.4857


 5.8688, 0.2885,
0.6428

 55.0656, 0.3187,
0.4675


 2.7655, 0.2583,
0.7417

 74.3317, 0.3193,
0.4531

 1.0105, 0.0000,
1.0000

 97.6370, 0.3195,
0.4413

 0.0000, 0.0000,
0.0000

 125.3659, 0.3196,
0.4315

 157.9027, 0.3196,

0.4233

195.6320, 0.3195,
0.4162

■ 17.6583, 0.3113,
0.5396

■ 17.6583, 0.3113,
0.5396

■ 17.3129, 0.3091,
0.5649

■ 18.1118, 0.3129,
0.5094

■ 17.0645, 0.3066,
0.5835

■ 18.6790, 0.3140,
0.4766

■ 16.8972, 0.3044,
0.5964

■ 19.3680, 0.3145,
0.4433

■ 16.8961, 0.3044,
0.5965

■ 20.1853, 0.3145,
0.4110

■ 21.1369, 0.3141,
0.3808

■ 22.2287, 0.3135,
0.3533

■ 23.4660, 0.3127,
0.3288

■ 24.8538, 0.3118,
0.3072

■ 26.3971, 0.3108,
0.2882

Harmonies

Analogous

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



17.6583, 0.4121, 0.5210



17.6583, 0.3113, 0.5396



17.6583, 0.2159, 0.4541

Triad

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



17.6583, 0.3113, 0.5396



17.6583, 0.1452, 0.1785



17.6583, 0.4978, 0.3003

Complementary

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



17.6583, 0.3113, 0.5396



7.2761, 0.2990, 0.1689

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.



17.6583, 0.3950, 0.2368



17.6583, 0.3113, 0.5396



17.6583, 0.1924, 0.1702

Square

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



17.6583, 0.3113, 0.5396



17.6583, 0.1320, 0.2236



17.6583, 0.2783, 0.1909



17.6583, 0.5331, 0.3719

Rectangle

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



17.6583, 0.3113, 0.5396



17.6583, 0.1694, 0.3629



17.6583, 0.2783, 0.1909



17.6583, 0.4690, 0.2779

Sweetspot

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



17.6590, 0.3113, 0.5396



37.5697, 0.3142, 0.3853



18.7181, 0.4180, 0.4645



8.3725, 0.3143, 0.3922



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.6590, 0.3113, 0.5396



30.7171, 0.3076, 0.5769



17.7225, 0.2794, 0.4715



5.2315, 0.3135, 0.3513



16.0958, 0.3045, 0.5964



0.0575, 0.3222, 0.5824

Inverse Universe

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



7.2761, 0.2990, 0.1689



10.7796, 0.2940, 0.1479



7.4037, 0.3887, 0.2269



4.7332, 0.3118, 0.3075



5.1410, 0.2895, 0.1368



0.0199, 0.3059, 0.1459

Previews

White Background



This preview shows how the Yxy color 17.6583, 0.3113, 0.5396 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.6583, 0.3113, 0.5396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

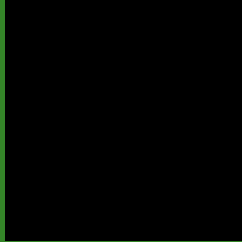
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6583, 0.3113, 0.5396

Background



This preview shows how black text looks on a background with the Yxy color 17.6583, 0.3113, 0.5396.



This preview shows how white text looks on a background with the Yxy color 17.6583, 0.3113, 0.5396.

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

17.6583, 0.3113, 0.5396

Protanopia

17.3640, 0.4225, 0.4652

Deuteranopia

17.2946, 0.4390, 0.4312



Tritanopia

17.5530, 0.2501, 0.3079

Trichromacy



Original Color

17.6583, 0.3113, 0.5396

Protanomaly

16.8774, 0.3758, 0.4966

Deuteranomaly

16.5258, 0.3860, 0.4722

Tritanomaly

17.2227, 0.2741, 0.3911

Monochromacy



Original Color

17.6583, 0.3113, 0.5396

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.6540, 0.3140, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6583, 0.3113, 0.5396 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(52, 133, 40)` looks like.

```
.text, #text, p{  
    color:rgb(52, 133, 40)  
}
```

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(52, 133, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 133, 40) }
```

Border

The CSS property to change the border of an element to Yxy 17.6583, 0.3113, 0.5396 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(52, 133, 40) }
```

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

```
.border{ border-color:rgb(52, 133, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 133, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 133, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 133, 40);  
box-shadow:4px 4px 4px 4px rgb(52, 133,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6583, 0.3113, 0.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 133, 40) }
```

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

```
.background{ background-color: rgb(52, 133,  
40) }
```

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