

Converting Colors

$Y_{xy}(36.7328, 0.5054, 0.3962)$

Have a look what the booklet for
Yxy(36.7328, 0.5054, 0.3962)
contains.

Yxy(36.6311, 0.5049, 0.3960)	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(36.6311, 0.5049, 0.3960)

Conversions

Conversions Part 1

Format	Color
Hex	F4863E
RGB	244, 134, 62
RGB Percent	96%, 53%, 24%
CMY	0.0431, 0.4745, 0.7568
CMYK	0.00, 0.45, 0.75, 0.04
HSL	24°, 89%, 60%
HSV	24°, 75%, 96%
XYZ	46.7047, 36.6311, 9.1670
YIQ	158.6820, 88.6720, 0.9280

Conversions

Conversions Part 2

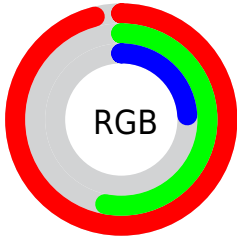
Format	Color
R_{YB}	244, 181, 62
Decimal	16025150
CIE _{Lab}	67.00, 36.80, 55.45
CIE _{LCh}	67, 66.548, 56.426
Yxy	36.6311, 0.5049, 0.3960
Android (android.graphics.Color)	4294215230 (0xFFFF4863E)
YUV	158.6820, -47.6642, 74.8239
Hunter-Lab	60.5236, 31.8279, 33.3864

Details

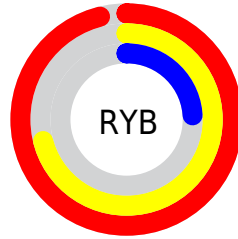
The Yxy color **36.6311, 0.5049, 0.3960** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **37.0652, 0.2052, 0.2300**, and the grayscale version is **34.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4187, 0.4312, 0.4050**, and **15.9884, 0.5535, 0.3963** is the 20% darker color. If you saturate the color by 10%, you get **32.6260, 0.5356, 0.3946**, and if you desaturate by 10%, it is **41.3288, 0.4722, 0.3925**.

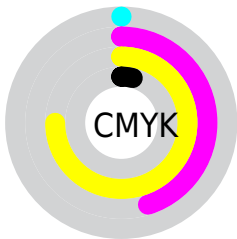
Distribution



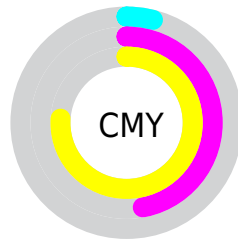
- Red (96%)
- Green (53%)
- Blue (24%)



- Red (96%)
- Yellow (71%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (47%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6311, 0.5049, 0.3960 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 36.6311, 0.5049, 0.3960 by changing the saturation by 10% instead.


 36.6311, 0.5049,
0.3960


 36.6311, 0.5049,
0.3960


331.7106, 0.4089,
0.3723


 24.9220, 0.5266,
0.3976


 70.0050, 0.4712,
0.3904


 16.0190, 0.5524,
0.3969


 92.4387, 0.4581,
0.3874

 9.5376, 0.5837,
0.3923


 119.2160, 0.4469,
0.3845

 5.0934, 0.6207,
0.3793

 150.7213, 0.4372,
0.3817

 2.3022, 0.6546,
0.3454

 187.3390, 0.4287,
0.3791

 0.7749, 0.7114,
0.2886

229.4535, 0.4213,

 0.0000, 1.0000,

0.3766

0.0000

277.4493, 0.4148,
0.3744

■ 0.0000, 0.0000,
0.0000

■ 36.6311, 0.5049,
0.3960

■ 36.6311, 0.5049,
0.3960

■ 32.6260, 0.5356,
0.3946

■ 41.3288, 0.4722,
0.3925

■ 29.2667, 0.5617,
0.3879


■ 46.7496, 0.4399,
0.3854


■ 27.6960, 0.5738,
0.3826


■ 52.9286, 0.4097,
0.3760

■ 59.8964, 0.3824,
0.3654

■ 67.6820, 0.3585,
0.3545

 76.3125, 0.3378,
0.3437

 85.8138, 0.3200,
0.3335

 96.0673, 0.3060,
0.3261

 97.9742, 0.3060,
0.3290

Harmonies

Analogous

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



36.6311, 0.4944, 0.3277



36.6311, 0.5049, 0.3960



36.6311, 0.4573, 0.4648

Triad

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



36.6311, 0.5049, 0.3960



36.6311, 0.2045, 0.3984



36.6311, 0.2276, 0.1886

Complementary

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



36.6311, 0.5049, 0.3960



37.0652, 0.2052, 0.2300

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.



36.6311, 0.1720, 0.1874



36.6311, 0.5049, 0.3960



36.6311, 0.1588, 0.2886

Square

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



36.6311, 0.5049, 0.3960



36.6311, 0.2839, 0.4951



36.6311, 0.1494, 0.2177



36.6311, 0.3164, 0.2161

Rectangle

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



36.6311, 0.5049, 0.3960



36.6311, 0.4055, 0.5017



36.6311, 0.1494, 0.2177



36.6311, 0.2052, 0.1852

Sweetspot

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



36.6331, 0.5049, 0.3960



77.1405, 0.3530, 0.3517



25.7455, 0.4056, 0.2236



15.9773, 0.3589, 0.3547



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.6331, 0.5049, 0.3960



33.8893, 0.5510, 0.3915



72.2360, 0.4248, 0.4757



17.5580, 0.3284, 0.3384



15.3073, 0.5710, 0.3848



1.5400, 0.5480, 0.4031

Inverse Universe

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



37.0652, 0.2052, 0.2300



34.0604, 0.1922, 0.2060



13.7797, 0.1752, 0.1126



17.5934, 0.2980, 0.3194



15.2532, 0.1872, 0.1938



1.5408, 0.1924, 0.2125

Previews

White Background



This preview shows how the Yxy color 36.6311, 0.5049, 0.3960 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 36.6311, 0.5049, 0.3960 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 36.6311, 0.5049, 0.3960

Background



This preview shows how black text looks on a background with the Yxy color 36.6311, 0.5049, 0.3960.



This preview shows how white text looks on a background with the Yxy color 36.6311, 0.5049, 0.3960.

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

36.6311, 0.5049, 0.3960

Protanopia

36.9509, 0.4112, 0.4508

Deuteranopia

36.5656, 0.4513, 0.4420



Tritanopia

36.6274, 0.4414, 0.3199

Trichromacy



Original Color

36.6311, 0.5049, 0.3960

Protanomaly

36.1790, 0.4464, 0.4294

Deuteranomaly

36.2330, 0.4726, 0.4237

Tritanomaly

36.5574, 0.4697, 0.3510

Monochromacy



Original Color

36.6311, 0.5049, 0.3960

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.2151, 0.3815, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6311, 0.5049, 0.3960 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(244, 134, 62)` looks like.

```
.text, #text, p{  
    color:rgb(244, 134, 62)  
}
```

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(244, 134, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 134, 62) }
```

Border

The CSS property to change the border of an element to Yxy 36.6311, 0.5049, 0.3960 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(244, 134, 62) }
```

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

```
.border{ border-color:rgb(244, 134, 62) }
```

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

Here you see how a box with a 4 pixel rgb(244, 134, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 134, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 134, 62);  
box-shadow:4px 4px 4px 4px rgb(244, 134,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6311, 0.5049, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 134, 62) }
```

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

```
.background{ background-color: rgb(244,  
134, 62) }
```

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