

Converting Colors

$Y_{xy}(37.6923, 0.5129, 0.4310)$

Have a look what the booklet for
Yxy(37.6923, 0.5129, 0.4310)
contains.

Yxy(37.6494, 0.5125, 0.4312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6494, 0.5125, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	ED8F00
RGB	237, 143, 0
RGB Percent	93%, 56%, 0%
CMY	0.0706, 0.4392, 0.9990
CMYK	0.00, 0.40, 1.00, 0.07
HSL	36°, 100%, 47%
HSV	36°, 100%, 93%
XYZ	44.7480, 37.6494, 4.9157
YIQ	154.8040, 101.9270, -24.5450

Conversions

Conversions Part 2

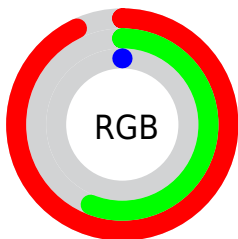
Format	Color
R_{YB}	156, 237, 0
Decimal	15568640
CIE Lab	67.76, 27.93, 73.20
CIE LCh	68, 78.348, 69.117
Yxy	37.6494, 0.5125, 0.4312
Android (android.graphics.Color)	4293758720 (0xFFED8F00)
YUV	154.8040, -76.3184, 72.0859
Hunter-Lab	61.3591, 22.7980, 38.2014

Details

The Yxy color **37.6494, 0.5125, 0.4312** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **14.1660, 0.1675, 0.1228**, and the grayscale version is **33.0117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6869, 0.4485, 0.4431**, and **16.6530, 0.5317, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **37.6198, 0.5127, 0.4311**, and if you desaturate by 10%, it is **40.6614, 0.4971, 0.4358**.

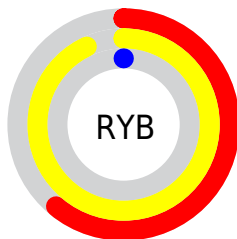
Distribution



Red (93%)

Green (56%)

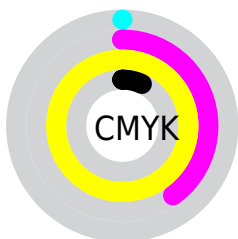
Blue (0%)



Red (61%)

Yellow (93%)

Blue (0%)

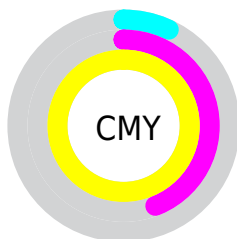


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6494, 0.5125, 0.4312 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 37.6494, 0.5125, 0.4312 by changing the saturation by 10% instead.

 37.6494, 0.5125,
0.4312


 37.6494, 0.5125,
0.4312


336.1136, 0.4192,
0.3952


 25.7107, 0.5304,
0.4335


 71.5704, 0.4821,
0.4229


 16.6073, 0.5503,
0.4331


 94.3216, 0.4695,
0.4183


 9.9549, 0.5721,
0.4279


 121.4456, 0.4584,
0.4138

 5.3691, 0.5899,
0.4101

 153.3270, 0.4486,
0.4096

 2.4654, 0.6168,
0.3832

 190.3501, 0.4400,
0.4055


 0.8592, 0.6621,
0.3379


 232.8993, 0.4322,


 0.0000, 1.0000,

0.4018


0.0000


 281.3590, 0.4254,
0.3983


 0.0000, 0.0000,
0.0000


 37.6494, 0.5125,
0.4312

 37.6494, 0.5125,
0.4312


 37.6198, 0.5127,
0.4311

 40.6614, 0.4971,
0.4358

 43.9937, 0.4784,
0.4354

 47.6780, 0.4569,
0.4299

 51.7344, 0.4338,
0.4200

 56.1800, 0.4104,
0.4069

■ 61.0308, 0.3876,
0.3918

■ 66.3010, 0.3661,
0.3758

■ 72.0043, 0.3463,
0.3596

■ 78.1532, 0.3285,
0.3438

Harmonies

Analogous

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



37.6494, 0.5365, 0.3539



37.6494, 0.5125, 0.4312



37.6494, 0.4356, 0.5090

Triad

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



37.6494, 0.5125, 0.4312



37.6494, 0.1615, 0.3502



37.6494, 0.2530, 0.1811

Complementary

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



37.6494, 0.5125, 0.4312



14.1660, 0.1675, 0.1228

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.



37.6494, 0.1755, 0.1668



37.6494, 0.5125, 0.4312



37.6494, 0.1308, 0.2392

Square

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



37.6494, 0.5125, 0.4312



37.6494, 0.2346, 0.4871



37.6494, 0.1364, 0.1827



37.6494, 0.3671, 0.2220

Rectangle

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



37.6494, 0.5125, 0.4312



37.6494, 0.3699, 0.5439



37.6494, 0.1364, 0.1827



37.6494, 0.2226, 0.1733

Sweetspot

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



37.6514, 0.5125, 0.4312



78.1438, 0.3666, 0.3761



18.8350, 0.5414, 0.2757



16.1500, 0.3755, 0.3830



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.



37.6514, 0.5125, 0.4312



44.2916, 0.5131, 0.4308



74.7615, 0.4016, 0.5193



16.5651, 0.3278, 0.3432



20.8031, 0.5107, 0.4327



1.8206, 0.4946, 0.4454

Inverse Universe

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



14.1660, 0.1675, 0.1228



16.5743, 0.1672, 0.1220



6.3133, 0.1528, 0.0616



15.5302, 0.2980, 0.3144



7.9577, 0.1682, 0.1257



0.8081, 0.1759, 0.1531

Previews

White Background



This preview shows how the Yxy color 37.6494, 0.5125, 0.4312 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 37.6494, 0.5125, 0.4312 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 37.6494, 0.5125, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 37.6494, 0.5125, 0.4312.

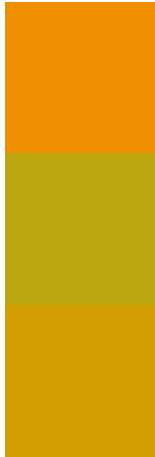


This preview shows how white text looks on a background with the Yxy color 37.6494, 0.5125, 0.4312.

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

37.6494, 0.5125, 0.4312

Protanopia

37.8809, 0.4378, 0.4844

Deuteranopia

37.6693, 0.4719, 0.4635



Tritanopia

37.6355, 0.4226, 0.3184

Trichromacy



Original Color

37.6494, 0.5125, 0.4312

Protanomaly

37.4594, 0.4653, 0.4651

Deuteranomaly

37.5165, 0.4868, 0.4516

Tritanomaly

37.1719, 0.4746, 0.3772

Monochromacy



Original Color

37.6494, 0.5125, 0.4312

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.3484, 0.4008, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6494, 0.5125, 0.4312 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(237, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 143, 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(237, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.6494, 0.5125, 0.4312 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(237, 143, 0) }
```

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

```
.border{ border-color:rgb(237, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 143,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6494, 0.5125, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 143, 0) }
```

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

```
.background{ background-color: rgb(237,  
143, 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](#).

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