

Converting Colors

Yxy(50.7323, 0.4641, 0.4109)

Have a look what the booklet for
Yxy(50.7323, 0.4641, 0.4109)
contains.

Yxy(50.6653, 0.4644, 0.4110)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.6653, 0.4644, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA55
RGB	255, 170, 85
RGB Percent	100%, 67%, 33%
CMY	0.0001, 0.3333, 0.6666
CMYK	0.00, 0.33, 0.67, 0.00
HSL	30°, 100%, 67%
HSV	30°, 67%, 100%
XYZ	57.2481, 50.6653, 15.3598
YIQ	185.7250, 77.9450, -8.4150

Conversions

Conversions Part 2

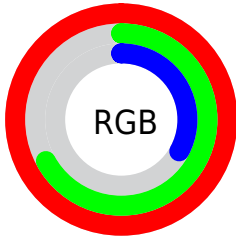
Format	Color
R_{YB}	255, 255, 85
Decimal	16755285
CIE _{Lab}	76.48, 23.65, 55.33
CIE _{LCh}	76, 60.173, 66.851
Yxy	50.6653, 0.4644, 0.4110
Android (android.graphics.Color)	4294945365 (0xFFFFAA55)
YUV	185.7250, -49.6574, 60.7542
Hunter-Lab	71.1796, 18.9992, 37.0315

Details

The Yxy color **50.6653, 0.4644, 0.4110** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **37.8903, 0.2078, 0.2177**, and the grayscale version is **49.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9454, 0.3938, 0.4165**, and **24.5360, 0.4984, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **45.7830, 0.4917, 0.4158**, and if you desaturate by 10%, it is **56.1620, 0.4365, 0.4022**.

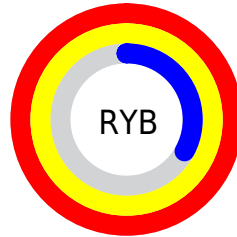
Distribution



Red (100%)

Green (67%)

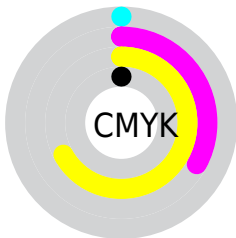
Blue (33%)



Red (100%)

Yellow (100%)

Blue (33%)

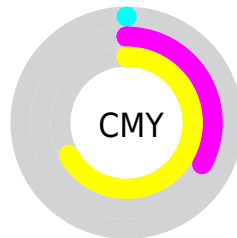


Cyan (0%)

Magenta (33%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (33%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6653, 0.4644, 0.4110 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 50.6653, 0.4644, 0.4110 by changing the saturation by 10% instead.


 50.6653, 0.4644,
0.4110

 50.6653, 0.4644,
0.4110


389.2620, 0.3923,
0.3776


 35.9423, 0.4802,
0.4164


 91.1598, 0.4397,
0.4010

 24.3896, 0.4989,
0.4217


 117.7002, 0.4299,
0.3966


 15.6229, 0.5209,
0.4257


 148.9484, 0.4214,
0.3926

 9.2577, 0.5479,
0.4277

 185.2890, 0.4141,
0.3890

 4.9097, 0.5778,
0.4222

 227.1062, 0.4076,
0.3857

 2.1944, 0.6029,
0.3971

274.7845, 0.4019,

 0.7169, 0.6500,

0.3827

0.3500

328.7083, 0.3968,
0.3800

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.6653, 0.4644,
0.4110

50.6653, 0.4644,
0.4110

45.7830, 0.4917,
0.4158

56.1620, 0.4365,
0.4022

41.4777, 0.5165,
0.4154

62.2921, 0.4095,
0.3906

37.7175, 0.5373,
0.4094

69.0826, 0.3843,
0.3775

36.5687, 0.5436,
0.4066

76.5565, 0.3615,
0.3639

84.7352, 0.3412,
0.3503

93.6391, 0.3233,
0.3373

99.9951, 0.3127,
0.3290

Harmonies

Analogous

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



50.6653, 0.4708, 0.3518



50.6653, 0.4644, 0.4110



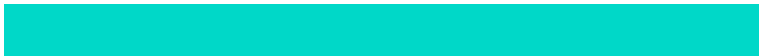
50.6653, 0.4155, 0.4616

Triad

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



50.6653, 0.4644, 0.4110



50.6653, 0.2066, 0.3538



50.6653, 0.2659, 0.2157

Complementary

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



50.6653, 0.4644, 0.4110



37.8903, 0.2078, 0.2177

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.



50.6653, 0.2075, 0.2070



50.6653, 0.4644, 0.4110



50.6653, 0.1768, 0.2737

Square

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



50.6653, 0.4644, 0.4110



50.6653, 0.2663, 0.4387



50.6653, 0.1777, 0.2246



50.6653, 0.3464, 0.2468

Rectangle

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



50.6653, 0.4644, 0.4110



50.6653, 0.3685, 0.4792



50.6653, 0.1777, 0.2246



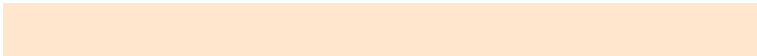
50.6653, 0.2434, 0.2101

Sweetspot

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



50.6679, 0.4644, 0.4110



81.9391, 0.3477, 0.3548



30.6573, 0.4185, 0.2480



17.0451, 0.3534, 0.3586



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.



50.6679, 0.4644, 0.4110



44.2903, 0.5003, 0.4163



93.4149, 0.4042, 0.4802



19.4881, 0.3282, 0.3409



19.4108, 0.5410, 0.4086



2.1084, 0.5234, 0.4226

Inverse Universe

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



37.8903, 0.2078, 0.2177



30.6975, 0.1920, 0.1914



15.6505, 0.1828, 0.1143



18.8780, 0.2979, 0.3168



12.0655, 0.1770, 0.1573



1.3932, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 50.6653, 0.4644, 0.4110 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 50.6653, 0.4644, 0.4110 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 50.6653, 0.4644, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 50.6653, 0.4644, 0.4110.



This preview shows how white text looks on a background with the Yxy color 50.6653, 0.4644, 0.4110.

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

50.6653, 0.4644, 0.4110

Protanopia

50.7058, 0.4057, 0.4435

Deuteranopia

50.7441, 0.4404, 0.4316



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.6653, 0.4644, 0.4110

Protanomaly

50.3459, 0.4273, 0.4311

Deuteranomaly

50.5524, 0.4499, 0.4235

Tritanomaly

50.4854, 0.4196, 0.3545

Monochromacy



Original Color

50.6653, 0.4644, 0.4110

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.6613, 0.3668, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6653, 0.4644, 0.4110 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(255, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 85)  
}
```

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(255, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 85) }
```

Border

The CSS property to change the border of an element to Yxy 50.6653, 0.4644, 0.4110 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(255, 170, 85) }
```

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

```
.border{ border-color:rgb(255, 170, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 170, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6653, 0.4644, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 85) }
```

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

```
.background{ background-color: rgb(255,  
170, 85) }
```

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