

Converting Colors

$Yxy(53.3254, 0.4639, 0.4241)$

Have a look what the booklet for
Yxy(53.3254, 0.4639, 0.4241)
contains.

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Color

Yxy(53.2261, 0.4642, 0.4240)

Conversions

Conversions Part 1

Format	Color
Hex	FFB14C
RGB	255, 177, 76
RGB Percent	100%, 69%, 30%
CMY	0.0000, 0.3059, 0.7021
CMYK	0.00, 0.31, 0.70, 0.00
HSL	34°, 100%, 65%
HSV	34°, 70%, 100%
XYZ	58.2725, 53.2261, 14.0346
YIQ	188.8080, 78.9090, -14.8750

Conversions

Conversions Part 2

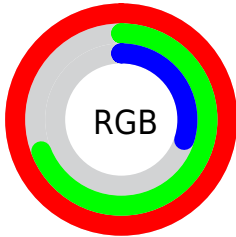
Format	Color
R _Y B	214, 255, 76
Decimal	16757068
CIE Lab	78.01, 19.55, 61.05
CIE LCh	78, 64.110, 72.242
Yxy	53.2261, 0.4642, 0.4240
Android (android.graphics.Color)	4294947148 (0xFFFFB14C)
YUV	188.8080, -55.6143, 58.0504
Hunter-Lab	72.9562, 14.9004, 39.6637

Details

The Yxy color **53.2261, 0.4642, 0.4240** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.8594, 0.1993, 0.1949**, and the grayscale version is **51.0598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1228, 0.3955, 0.4316**, and **25.9283, 0.4968, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **48.7253, 0.4875, 0.4285**, and if you desaturate by 10%, it is **58.2211, 0.4393, 0.4151**.

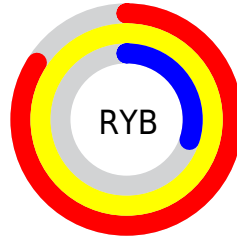
Distribution



Red (100%)

Green (69%)

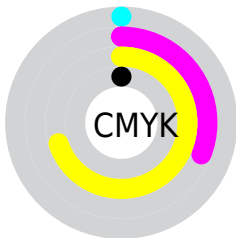
Blue (30%)



Red (84%)

Yellow (100%)

Blue (30%)

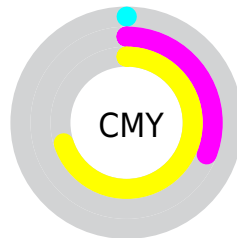


Cyan (0%)

Magenta (31%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2261, 0.4642, 0.4240 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 53.2261, 0.4642, 0.4240 by changing the saturation by 10% instead.


 53.2261, 0.4642,
0.4240


 53.2261, 0.4642,
0.4240


399.1520, 0.3939,
0.3852


 37.9833, 0.4789,
0.4304


 94.9370, 0.4406,
0.4123

 25.9697, 0.4960,
0.4366


 122.1739, 0.4311,
0.4072


 16.8010, 0.5155,
0.4416


 154.1775, 0.4228,
0.4026

 10.0927, 0.5401,
0.4461

 191.3324, 0.4156,
0.3984

 5.4605, 0.5606,
0.4394

 234.0229, 0.4092,
0.3946

 2.5199, 0.5805,
0.4195

282.6334, 0.4035,

 0.8866, 0.6150,

0.3912

0.3850

337.5483, 0.3984,
0.3881

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.2261, 0.4642,
0.4240

53.2261, 0.4642,
0.4240

48.7253, 0.4875,
0.4285

58.2211, 0.4393,
0.4151

44.6979, 0.5079,
0.4276

63.7387, 0.4143,
0.4029

41.1742, 0.5245,
0.4218

69.7981, 0.3903,
0.3887

76.4183, 0.3679,
0.3736

83.6176, 0.3475,
0.3583

91.4128, 0.3292,
0.3434

99.8202, 0.3130,
0.3293

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



53.2261, 0.4808, 0.3629



53.2261, 0.4642, 0.4240



53.2261, 0.4068, 0.4741

Triad

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



53.2261, 0.4642, 0.4240



53.2261, 0.1940, 0.3378



53.2261, 0.2774, 0.2155

Complementary

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



53.2261, 0.4642, 0.4240



31.8594, 0.1993, 0.1949

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.



53.2261, 0.2119, 0.2019



53.2261, 0.4642, 0.4240



53.2261, 0.1693, 0.2589

Square

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



53.2261, 0.4642, 0.4240



53.2261, 0.2507, 0.4305



53.2261, 0.1758, 0.2146



53.2261, 0.3638, 0.2512

Rectangle

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



53.2261, 0.4642, 0.4240



53.2261, 0.3558, 0.4877



53.2261, 0.1758, 0.2146



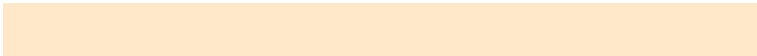
53.2261, 0.2525, 0.2083

Sweetspot

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



53.2243, 0.4642, 0.4240



83.0245, 0.3490, 0.3595



28.8438, 0.4400, 0.2545



17.3354, 0.3545, 0.3637



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.



53.2243, 0.4642, 0.4240



47.1434, 0.4957, 0.4288



91.6431, 0.4009, 0.4893



19.6881, 0.3280, 0.3424



21.8171, 0.5223, 0.4235



2.3418, 0.5073, 0.4354

Inverse Universe

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



31.8594, 0.1993, 0.1949



24.7733, 0.1831, 0.1649



14.3132, 0.1808, 0.1062



18.6798, 0.2979, 0.3152



10.0097, 0.1713, 0.1366



1.1873, 0.1774, 0.1586

Previews

White Background



This preview shows how the Yxy color 53.2261, 0.4642, 0.4240 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 53.2261, 0.4642, 0.4240 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 53.2261, 0.4642, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 53.2261, 0.4642, 0.4240.



This preview shows how white text looks on a background with the Yxy color 53.2261, 0.4642, 0.4240.

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

53.2261, 0.4642, 0.4240

Protanopia

53.6247, 0.4136, 0.4545

Deuteranopia

53.4762, 0.4478, 0.4382



Tritanopia

53.3047, 0.3818, 0.3187

Trichromacy



Original Color

53.2261, 0.4642, 0.4240

Protanomaly

53.3539, 0.4324, 0.4434

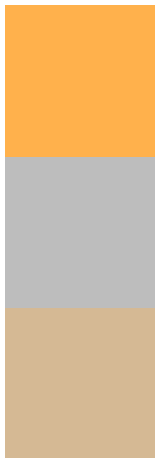
Deuteranomaly

53.1486, 0.4539, 0.4324

Tritanomaly

53.1001, 0.4160, 0.3617

Monochromacy



Original Color

53.2261, 0.4642, 0.4240

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.9822, 0.3677, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2261, 0.4642, 0.4240 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, 177, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 76)  
}
```

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, 177, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 76) }
```

Border

The CSS property to change the border of an element to Yxy 53.2261, 0.4642, 0.4240 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, 177, 76) }
```

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

```
.border{ border-color:rgb(255, 177, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 177, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2261, 0.4642, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 76) }
```

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

```
.background{ background-color: rgb(255,  
177, 76) }
```

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](#).

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