

Converting Colors

Yxy(52.5962, 0.4753, 0.4349)

Have a look what the booklet for
Yxy(52.5962, 0.4753, 0.4349)
contains.

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Color

Yxy(52.5962, 0.4753, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	FFB038
RGB	255, 176, 56
RGB Percent	100%, 69%, 22%
CMY	0.0000, 0.3098, 0.7805
CMYK	0.00, 0.31, 0.78, 0.00
HSL	36°, 100%, 61%
HSV	36°, 78%, 100%
XYZ	57.4821, 52.5962, 10.8603
YIQ	185.9410, 85.6040, -20.5720

Conversions

Conversions Part 2

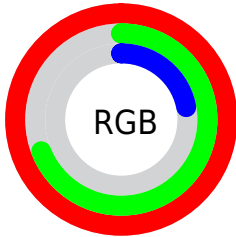
Format	Color
RYB	187, 255, 56
Decimal	16756792
CIELab	77.64, 19.23, 68.69
CIELCh	78, 71.330, 74.361
Yxy	52.5962, 0.4753, 0.4349
Android (android.graphics.Color)	4294946872 (0xFFFFB038)
YUV	185.9410, -64.0609, 60.5647
Hunter-Lab	72.5232, 14.5639, 41.8876

Details

The Yxy color **52.5962, 0.4753, 0.4349** 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 **25.3811, 0.1868, 0.1673**, and the grayscale version is **49.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1209, 0.4059, 0.4457**, and **25.7528, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **48.5850, 0.4945, 0.4361**, and if you desaturate by 10%, it is **57.0310, 0.4534, 0.4286**.

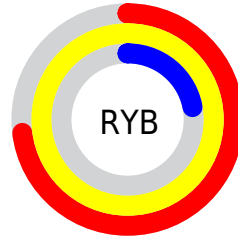
Distribution



Red (100%)

Green (69%)

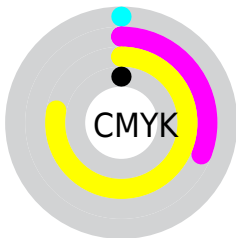
Blue (22%)



Red (73%)

Yellow (100%)

Blue (22%)

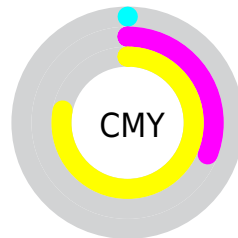


Cyan (0%)

Magenta (31%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5962, 0.4753, 0.4349 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 52.5962, 0.4753, 0.4349 by changing the saturation by 10% instead.

 52.5962, 0.4753,
0.4349

 52.5962, 0.4753,
0.4349


396.7340, 0.4015,
0.3930


 37.4805, 0.4900,
0.4411


 94.0099, 0.4511,
0.4228

 25.5798, 0.5064,
0.4466


 121.0767, 0.4412,
0.4173

 16.5095, 0.5243,
0.4501


 152.8961, 0.4325,
0.4123

 9.8854, 0.5471,
0.4529

 189.8523, 0.4248,
0.4077

 5.3230, 0.5600,
0.4400

 232.3298, 0.4179,
0.4035

 2.4380, 0.5800,
0.4200

280.7130, 0.4118,

 0.8454, 0.6151,

0.3997

0.3849

335.3862, 0.4064,
0.3962

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.5962, 0.4753,
0.4349

■ 52.5962, 0.4753,
0.4349

■ 48.5850, 0.4945,
0.4361

■ 57.0310, 0.4534,
0.4286

■ 44.9667, 0.5102,
0.4319

■ 61.9115, 0.4300,
0.4180

■ 44.2996, 0.5131,
0.4308

■ 67.2584, 0.4065,
0.4045

■ 73.0902, 0.3838,
0.3891

■ 79.4239, 0.3625,
0.3730

■ 86.2755, 0.3430,
0.3568

■ 93.6600, 0.3255,
0.3411

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.



52.5962, 0.4998, 0.3680



52.5962, 0.4753, 0.4349



52.5962, 0.4084, 0.4915

Triad

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



52.5962, 0.4753, 0.4349



52.5962, 0.1787, 0.3302



52.5962, 0.2792, 0.2071

Complementary

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



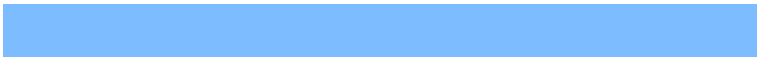
52.5962, 0.4753, 0.4349



25.3811, 0.1868, 0.1673

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.



52.5962, 0.2058, 0.1904



52.5962, 0.4753, 0.4349



52.5962, 0.1555, 0.2454

Square

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



52.5962, 0.4753, 0.4349



52.5962, 0.2374, 0.4372



52.5962, 0.1650, 0.2010



52.5962, 0.3761, 0.2470

Rectangle

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



52.5962, 0.4753, 0.4349



52.5962, 0.3515, 0.5069



52.5962, 0.1650, 0.2010



52.5962, 0.2512, 0.1987

Sweetspot

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



52.5966, 0.4753, 0.4349



82.8172, 0.3525, 0.3648



25.8519, 0.4775, 0.2623



17.2037, 0.3596, 0.3706



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.



52.5966, 0.4753, 0.4349



46.3870, 0.5043, 0.4342



89.4841, 0.3986, 0.5040



19.8097, 0.3279, 0.3433



23.4473, 0.5111, 0.4324



2.4965, 0.4978, 0.4430

Inverse Universe

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



25.3811, 0.1868, 0.1673



18.5721, 0.1713, 0.1332



11.5776, 0.1730, 0.0893



18.5608, 0.2979, 0.3143



8.9295, 0.1681, 0.1249



1.0757, 0.1743, 0.1473

Previews

White Background



This preview shows how the Yxy color 52.5962, 0.4753, 0.4349 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 52.5962, 0.4753, 0.4349 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 52.5962, 0.4753, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 52.5962, 0.4753, 0.4349.



This preview shows how white text looks on a background with the Yxy color 52.5962, 0.4753, 0.4349.

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

52.5962, 0.4753, 0.4349

Protanopia

52.9132, 0.4248, 0.4691

Deuteranopia

52.4137, 0.4596, 0.4491



Tritanopia

52.5199, 0.3833, 0.3176

Trichromacy



Original Color

52.5962, 0.4753, 0.4349

Protanomaly

52.6794, 0.4433, 0.4562

Deuteranomaly

52.5017, 0.4652, 0.4441

Tritanomaly

52.1071, 0.4243, 0.3678

Monochromacy



Original Color

52.5962, 0.4753, 0.4349

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1689, 0.3746, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5962, 0.4753, 0.4349 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, 176, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 56)  
}
```

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, 176, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 56) }
```

Border

The CSS property to change the border of an element to Yxy 52.5962, 0.4753, 0.4349 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, 176, 56) }
```

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

```
.border{ border-color:rgb(255, 176, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 176, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5962, 0.4753, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 56) }
```

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

```
.background{ background-color: rgb(255,  
176, 56) }
```

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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