

# Converting Colors

$Y_{xy}(30.0067, 0.5482, 0.3750)$

Have a look what the booklet for  
Yxy(30.0067, 0.5482, 0.3750)  
contains.

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# **Color**

**Yxy(30.0825, 0.5478, 0.3752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7692F
RGB	247, 105, 47
RGB Percent	97%, 41%, 18%
CMY	0.0314, 0.5882, 0.8159
CMYK	0.00, 0.57, 0.81, 0.03
HSL	17°, 93%, 58%
HSV	17°, 81%, 97%
XYZ	43.9211, 30.0825, 6.1736
YIQ	140.8460, 103.2500, 12.0660

# Conversions

## Conversions Part 2

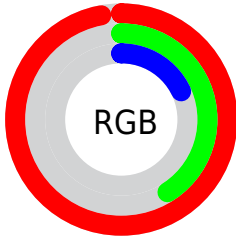
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	247, 129, 47
Decimal	16214319
CIE <sub>Lab</sub>	61.73, 51.54, 57.17
CIE <sub>LCh</sub>	62, 76.973, 47.970
Y <sub>xy</sub>	30.0825, 0.5478, 0.3752
Android (android.graphics.Color)	4294404399 (0xFFFF7692F)
Y <sub>UV</sub>	140.8460, -46.2661, 93.0971
Hunter-Lab	54.8475, 46.9570, 31.7196

# Details

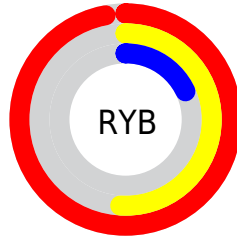
The Yxy color **30.0825, 0.5478, 0.3752** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **43.6785, 0.2073, 0.2505**, and the grayscale version is **26.7261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2835, 0.4628, 0.3907**, and **12.3485, 0.6024, 0.3599** is the 20% darker color. If you saturate the color by 10%, you get **26.7275, 0.5795, 0.3692**, and if you desaturate by 10%, it is **34.2894, 0.5111, 0.3765**.

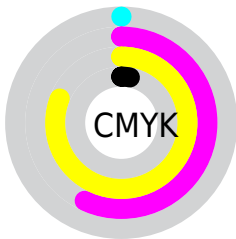
# Distribution



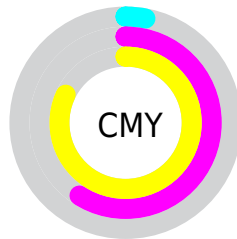
- Red (97%)
- Green (41%)
- Blue (18%)



- Red (97%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (81%)
- Black (3%)




- Cyan (3%)
- Magenta (59%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0825, 0.5478, 0.3752 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 30.0825, 0.5478, 0.3752 by changing the saturation by 10% instead.





 30.0825, 0.5478,  
0.3752


 30.0825, 0.5478,  
0.3752


302.2888, 0.4279,  
0.3662


 19.9012, 0.5749,  
0.3714


 59.7926, 0.5056,  
0.3763


 12.3233, 0.6067,  
0.3629


 80.0903, 0.4892,  
0.3753


 6.9642, 0.6502,  
0.3498


 104.5288, 0.4751,  
0.3740

 3.4397, 0.6846,  
0.3154

 133.4926, 0.4630,  
0.3724

 1.3654, 0.7359,  
0.2641

 167.3661, 0.4525,  
0.3708

 0.1910, 0.8929,  
0.1071

 206.5337, 0.4432,

 0.0000, 1.0000,

0.3692

0.0000

251.3798, 0.4351,  
0.3677

■ 0.0000, 0.0000,  
0.0000

■ 30.0825, 0.5478,  
0.3752

■ 30.0825, 0.5478,  
0.3752

■ 26.7275, 0.5795,  
0.3692

■ 34.2894, 0.5111,  
0.3765


■ 24.3704, 0.6015,  
0.3606

■ 39.4015, 0.4732,  
0.3738

■ 45.4728, 0.4371,  
0.3683


■ 52.5514, 0.4045,  
0.3610

■ 60.6821, 0.3761,  
0.3530

 69.9065, 0.3519,  
0.3449

 80.2642, 0.3314,  
0.3371

 91.7927, 0.3143,  
0.3297

 98.5139, 0.3078,  
0.3290

# Harmonies

## Analogous

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



30.0825, 0.5170, 0.3006



30.0825, 0.5478, 0.3752



30.0825, 0.5005, 0.4576

# Triad

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



30.0825, 0.5478, 0.3752



30.0825, 0.2027, 0.4575



30.0825, 0.1885, 0.1615

# Complementary

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



30.0825, 0.5478, 0.3752



43.6785, 0.2073, 0.2505

# 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.



30.0825, 0.1375, 0.1676



30.0825, 0.5478, 0.3752



30.0825, 0.1404, 0.3096

# Square

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



30.0825, 0.5478, 0.3752



30.0825, 0.3019, 0.5568



30.0825, 0.1216, 0.2111



30.0825, 0.2816, 0.1847



# Rectangle

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



30.0825, 0.5478, 0.3752



30.0825, 0.4424, 0.5129



30.0825, 0.1216, 0.2111



30.0825, 0.1671, 0.1600

# Sweetspot

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



30.0842, 0.5478, 0.3752



72.0165, 0.3588, 0.3474



25.5330, 0.3881, 0.2035



14.6554, 0.3675, 0.3503



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.



30.0842, 0.5478, 0.3752



26.9347, 0.5950, 0.3633



62.9985, 0.4471, 0.4665



17.2662, 0.3286, 0.3359



13.0999, 0.5986, 0.3629



1.3209, 0.5742, 0.3823

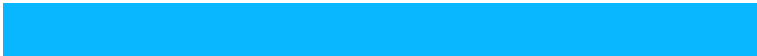


# Inverse Universe

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



43.6785, 0.2073, 0.2505



41.2164, 0.1984, 0.2328



14.6778, 0.1717, 0.1165



17.8975, 0.2980, 0.3220



20.0840, 0.1977, 0.2315



1.9415, 0.2015, 0.2452



# Previews

## White Background



This preview shows how the Yxy color 30.0825, 0.5478, 0.3752 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 30.0825, 0.5478, 0.3752 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 30.0825, 0.5478, 0.3752**

## Background



This preview shows how black text looks on a background with the Yxy color 30.0825, 0.5478, 0.3752.



This preview shows how white text looks on a background with the Yxy color 30.0825, 0.5478, 0.3752.

# 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

30.0825, 0.5478, 0.3752

### Protanopia

30.3439, 0.4154, 0.4562

### Deuteranopia

30.1529, 0.4612, 0.4530



## Tritanopia

30.0833, 0.4960, 0.3238

# Trichromacy



## Original Color

30.0825, 0.5478, 0.3752

## Protanomaly

29.0618, 0.4663, 0.4238

## Deuteranomaly

29.4023, 0.4952, 0.4219

## Tritanomaly

29.9039, 0.5189, 0.3451

# Monochromacy



## Original Color

30.0825, 0.5478, 0.3752

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

26.2032, 0.4009, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0825, 0.5478, 0.3752 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(247, 105, 47)` looks like.

```
.text, #text, p{  
    color:rgb(247, 105, 47)  
}
```

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(247, 105, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 105, 47) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0825, 0.5478, 0.3752 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(247, 105, 47) }
```

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

```
.border{ border-color:rgb(247, 105, 47) }
```

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

Here you see how a box with a 4 pixel rgb(247, 105, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 105, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 105, 47);  
box-shadow:4px 4px 4px 4px rgb(247, 105,  
47) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0825, 0.5478, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 105, 47) }
```

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

```
.background{ background-color: rgb(247,  
105, 47) }
```

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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