

Converting Colors

$Y_{xy}(36.6322, 0.5221, 0.3858)$

Have a look what the booklet for
Yxy(36.6322, 0.5221, 0.3858)
contains.

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Color

Yxy(36.7650, 0.5217, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F3C
RGB	255, 127, 60
RGB Percent	100%, 50%, 24%
CMY	0.0000, 0.5020, 0.7647
CMYK	0.00, 0.50, 0.76, 0.00
HSL	21°, 100%, 62%
HSV	21°, 76%, 100%
XYZ	49.6513, 36.7650, 8.7558
YIQ	157.6340, 97.7950, 6.2990

Conversions

Conversions Part 2

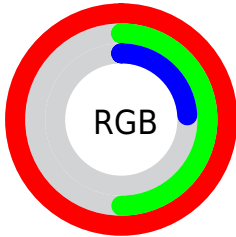
Format	Color
R _Y B	255, 162, 60
Decimal	16744252
CIE Lab	67.10, 44.50, 56.95
CIE LCh	67, 72.272, 51.999
Yxy	36.7650, 0.5217, 0.3863
Android (android.graphics.Color)	4294934332 (0xFFFF7F3C)
YUV	157.6340, -48.1336, 85.3900
Hunter-Lab	60.6341, 40.0580, 33.8822

Details

The Yxy color **36.7650, 0.5217, 0.3863** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.1564, 0.2069, 0.2410**, and the grayscale version is **34.2040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8636, 0.4367, 0.4010**, and **16.1084, 0.5734, 0.3817** is the 20% darker color. If you saturate the color by 10%, you get **32.5845, 0.5541, 0.3830**, and if you desaturate by 10%, it is **41.7895, 0.4865, 0.3848**.

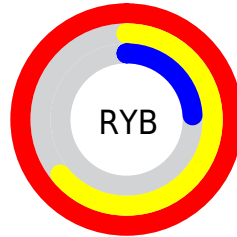
Distribution



Red (100%)

Green (50%)

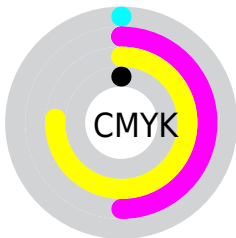
Blue (24%)



Red (100%)

Yellow (64%)

Blue (24%)

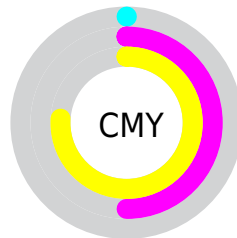


Cyan (0%)

Magenta (50%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7650, 0.5217, 0.3863 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 36.7650, 0.5217, 0.3863 by changing the saturation by 10% instead.


 36.7650, 0.5217,
0.3863

 36.7650, 0.5217,
0.3863


332.2920, 0.4176,
0.3693

 25.0256, 0.5450,
0.3858


 70.2112, 0.4854,
0.3835

 16.0961, 0.5726,
0.3824


 92.6868, 0.4712,
0.3815

 9.5922, 0.6064,
0.3744


 119.5099, 0.4590,
0.3793

 5.1294, 0.6441,
0.3559

 151.0649, 0.4484,
0.3771

 2.3234, 0.6821,
0.3179

 187.7362, 0.4392,
0.3750

 0.7861, 0.7431,
0.2569

 229.9083, 0.4311,

 0.0000, 1.0000,

0.3730

0.0000

277.9654, 0.4240,
0.3711

■ 0.0000, 0.0000,
0.0000

■ 36.7650, 0.5217,
0.3863

■ 36.7650, 0.5217,
0.3863

■ 32.5845, 0.5541,
0.3830

■ 41.7895, 0.4865,
0.3848

■ 29.1983, 0.5804,
0.3745

■ 47.7138, 0.4514,
0.3795

■ 28.1729, 0.5885,
0.3709

■ 54.5808, 0.4187,
0.3717

■ 62.4322, 0.3894,
0.3626

■ 71.3068, 0.3638,
0.3530

81.2413, 0.3419,
0.3436

92.2705, 0.3232,
0.3345

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.



36.7650, 0.5014, 0.3154



36.7650, 0.5217, 0.3863



36.7650, 0.4761, 0.4610

Triad

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



36.7650, 0.5217, 0.3863



36.7650, 0.2062, 0.4233



36.7650, 0.2103, 0.1778

Complementary

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



36.7650, 0.5217, 0.3863



44.1564, 0.2069, 0.2410

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.



36.7650, 0.1574, 0.1804



36.7650, 0.5217, 0.3863



36.7650, 0.1528, 0.2993

Square

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



36.7650, 0.5217, 0.3863



36.7650, 0.2941, 0.5202



36.7650, 0.1385, 0.2169



36.7650, 0.3001, 0.2028

Rectangle

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



36.7650, 0.5217, 0.3863



36.7650, 0.4227, 0.5057



36.7650, 0.1385, 0.2169



36.7650, 0.1886, 0.1754

Sweetspot

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



36.7629, 0.5217, 0.3863



74.6280, 0.3558, 0.3497



28.2109, 0.3958, 0.2141



15.2331, 0.3642, 0.3532



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.



36.7629, 0.5217, 0.3863



30.6166, 0.5696, 0.3789



74.0960, 0.4340, 0.4708



19.0071, 0.3286, 0.3372



14.9697, 0.5855, 0.3733



1.6516, 0.5637, 0.3906

Inverse Universe

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



44.1564, 0.2069, 0.2410



37.8052, 0.1957, 0.2204



15.9241, 0.1747, 0.1170



19.3691, 0.2980, 0.3206



18.5807, 0.1923, 0.2122



2.0127, 0.1964, 0.2271

Previews

White Background



This preview shows how the Yxy color 36.7650, 0.5217, 0.3863 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 36.7650, 0.5217, 0.3863 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 36.7650, 0.5217, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 36.7650, 0.5217, 0.3863.



This preview shows how white text looks on a background with the Yxy color 36.7650, 0.5217, 0.3863.

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

36.7650, 0.5217, 0.3863

Protanopia

36.9509, 0.4112, 0.4508

Deuteranopia

36.6698, 0.4546, 0.4443



Tritanopia

36.7908, 0.4562, 0.3214

Trichromacy



Original Color

36.7650, 0.5217, 0.3863

Protanomaly

36.0938, 0.4529, 0.4260

Deuteranomaly

36.2146, 0.4802, 0.4216

Tritanomaly

36.6952, 0.4836, 0.3480

Monochromacy



Original Color

36.7650, 0.5217, 0.3863

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.6100, 0.3883, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7650, 0.5217, 0.3863 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, 127, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 60)  
}
```

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, 127, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 60) }
```

Border

The CSS property to change the border of an element to Yxy 36.7650, 0.5217, 0.3863 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, 127, 60) }
```

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

```
.border{ border-color:rgb(255, 127, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7650, 0.5217, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 60) }
```

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

```
.background{ background-color: rgb(255,  
127, 60) }
```

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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