

Converting Colors

$Y_{xy}(39.2772, 0.5317, 0.3817)$

Have a look what the booklet for
Yxy(39.2772, 0.5317, 0.3817)
contains.

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Color

Yxy(36.5080, 0.5227, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E3C
RGB	255, 126, 60
RGB Percent	100%, 49%, 24%
CMY	0.0000, 0.5058, 0.7649
CMYK	0.00, 0.51, 0.76, 0.00
HSL	20°, 100%, 62%
HSV	20°, 76%, 100%
XYZ	49.5141, 36.5080, 8.7055
YIQ	157.0470, 98.0700, 6.8220

Conversions

Conversions Part 2

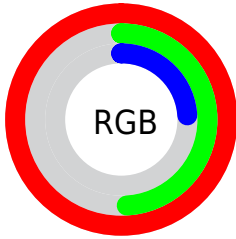
Format	Color
R _Y B	255, 160, 60
Decimal	16743996
CIE Lab	66.91, 44.96, 56.78
CIE LCh	67, 72.427, 51.627
Yxy	36.5080, 0.5227, 0.3854
Android (android.graphics.Color)	4294934076 (0xFFFF7E3C)
YUV	157.0470, -47.8442, 85.9048
Hunter-Lab	60.4219, 40.5377, 33.7529

Details

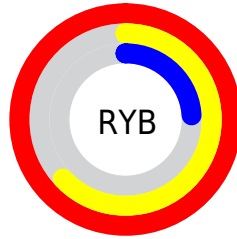
The Yxy color **36.5080, 0.5227, 0.3854** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.5459, 0.2072, 0.2423**, and the grayscale version is **33.9257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4554, 0.4374, 0.4000**, and **15.8458, 0.5743, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **32.3466, 0.5553, 0.3820**, and if you desaturate by 10%, it is **41.5300, 0.4872, 0.3840**.

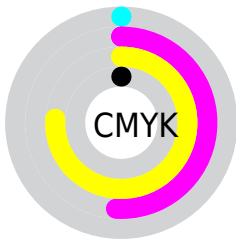
Distribution



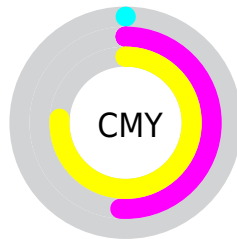
- Red (100%)
- Green (49%)
- Blue (24%)



- Red (100%)
- Yellow (63%)
- Blue (24%)



- Cyan (0%)
- Magenta (51%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5080, 0.5227, 0.3854 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 36.5080, 0.5227, 0.3854 by changing the saturation by 10% instead.


 36.5080, 0.5227,
0.3854


 36.5080, 0.5227,
0.3854


331.1755, 0.4180,
0.3689

 24.8268, 0.5462,
0.3848


 69.8154, 0.4861,
0.3828

 15.9481, 0.5740,
0.3811


 92.2104, 0.4718,
0.3808

 9.4874, 0.6082,
0.3730


 118.9455, 0.4596,
0.3787

 5.0604, 0.6461,
0.3539

 150.4050, 0.4490,
0.3765

 2.2828, 0.6847,
0.3153

 186.9734, 0.4397,
0.3745

 0.7646, 0.7469,
0.2531

 229.0350, 0.4316,

 0.0000, 1.0000,

0.3725

0.0000

276.9742, 0.4244,
0.3707

■ 0.0000, 0.0000,
0.0000

■ 36.5080, 0.5227,
0.3854

■ 36.5080, 0.5227,
0.3854

■ 32.3466, 0.5553,
0.3820

■ 41.5300, 0.4872,
0.3840

■ 28.9829, 0.5817,
0.3735


■ 47.4570, 0.4520,
0.3788

■ 27.9731, 0.5897,
0.3699

■ 54.3369, 0.4191,
0.3711

■ 62.2118, 0.3896,
0.3622

■ 71.1215, 0.3639,
0.3527

 81.1032, 0.3420,
0.3434

 92.1922, 0.3233,
0.3345

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



36.5080, 0.5015, 0.3144



36.5080, 0.5227, 0.3854



36.5080, 0.4775, 0.4604

Triad

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



36.5080, 0.5227, 0.3854



36.5080, 0.2066, 0.4254



36.5080, 0.2090, 0.1771

Complementary

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



36.5080, 0.5227, 0.3854



44.5459, 0.2072, 0.2423

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.



36.5080, 0.1565, 0.1801



36.5080, 0.5227, 0.3854



36.5080, 0.1527, 0.3005

Square

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



36.5080, 0.5227, 0.3854



36.5080, 0.2951, 0.5219



36.5080, 0.1379, 0.2172



36.5080, 0.2987, 0.2019

Rectangle

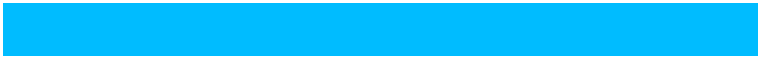
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.5080, 0.5227, 0.3854



36.5080, 0.4240, 0.5056



36.5080, 0.1379, 0.2172



36.5080, 0.1874, 0.1748

Sweetspot

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



36.5100, 0.5227, 0.3854



74.4833, 0.3559, 0.3494



28.2027, 0.3958, 0.2141



15.1985, 0.3642, 0.3528



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.



36.5100, 0.5227, 0.3854



30.3992, 0.5708, 0.3779



74.0866, 0.4341, 0.4708



18.9925, 0.3286, 0.3371



14.8637, 0.5868, 0.3723



1.6400, 0.5649, 0.3897

Inverse Universe

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



44.5459, 0.2072, 0.2423



38.2440, 0.1961, 0.2220



15.9133, 0.1747, 0.1169



19.3843, 0.2980, 0.3208



18.8158, 0.1928, 0.2140



2.0345, 0.1968, 0.2286

Previews

White Background



This preview shows how the Yxy color 36.5080, 0.5227, 0.3854 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 36.5080, 0.5227, 0.3854 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 36.5080, 0.5227, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 36.5080, 0.5227, 0.3854.



This preview shows how white text looks on a background with the Yxy color 36.5080, 0.5227, 0.3854.

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

36.5080, 0.5227, 0.3854

Protanopia

36.4731, 0.4109, 0.4502

Deuteranopia

36.5191, 0.4541, 0.4456



Tritanopia

36.5197, 0.4580, 0.3214

Trichromacy



Original Color

36.5080, 0.5227, 0.3854

Protanomaly

35.6278, 0.4529, 0.4254

Deuteranomaly

35.9008, 0.4819, 0.4212

Tritanomaly

36.4254, 0.4854, 0.3479

Monochromacy



Original Color

36.5080, 0.5227, 0.3854

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.3004, 0.3888, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5080, 0.5227, 0.3854 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, 126, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 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, 126, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 60) }
```

Border

The CSS property to change the border of an element to Yxy 36.5080, 0.5227, 0.3854 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, 126, 60) }
```

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

```
.border{ border-color:rgb(255, 126, 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, 126, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5080, 0.5227, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 60) }
```

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

```
.background{ background-color: rgb(255,  
126, 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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