

Converting Colors

$Y_{xy}(30.0107, 0.5580, 0.3633)$

Have a look what the booklet for
Yxy(30.0107, 0.5580, 0.3633)
contains.

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Color

Yxy(30.0484, 0.5578, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	FF6133
RGB	255, 97, 51
RGB Percent	100%, 38%, 20%
CMY	0.0000, 0.6195, 0.7999
CMYK	0.00, 0.62, 0.80, 0.00
HSL	14°, 100%, 60%
HSV	14°, 80%, 100%
XYZ	46.1100, 30.0484, 6.5057
YIQ	138.9980, 108.9340, 19.1900

Conversions

Conversions Part 2

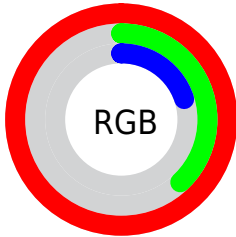
Format	Color
RYB	255, 110, 51
Decimal	16736563
CIELab	61.70, 57.98, 55.77
CIELCh	62, 80.449, 43.887
Yxy	30.0484, 0.5578, 0.3635
Android (android.graphics.Color)	4294926643 (0xFFFF6133)
YUV	138.9980, -43.3830, 101.7338
Hunter-Lab	54.8164, 54.2205, 31.3349

Details

The Yxy color **30.0484, 0.5578, 0.3635** 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 **53.5281, 0.2127, 0.2697**, and the grayscale version is **25.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9821, 0.4657, 0.3810**, and **12.2703, 0.6189, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **26.6759, 0.5915, 0.3579**, and if you desaturate by 10%, it is **34.4560, 0.5182, 0.3652**.

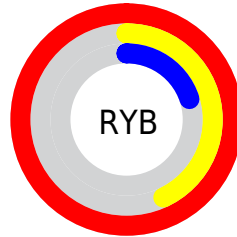
Distribution



Red (100%)

Green (38%)

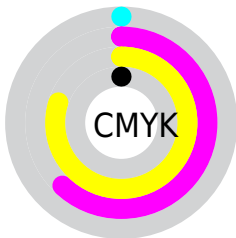
Blue (20%)



Red (100%)

Yellow (43%)

Blue (20%)

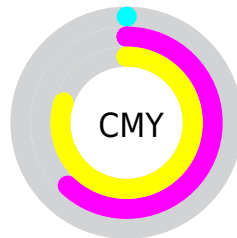


Cyan (0%)

Magenta (62%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0484, 0.5578, 0.3635 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 30.0484, 0.5578, 0.3635 by changing the saturation by 10% instead.


 30.0484, 0.5578,
0.3635


 30.0484, 0.5578,
0.3635


302.1300, 0.4324,
0.3609


 19.8753, 0.5863,
0.3582


 59.7387, 0.5135,
0.3669

 12.3045, 0.6200,
0.3479


 80.0247, 0.4963,
0.3669

 6.9514, 0.6670,
0.3330


 104.4505, 0.4817,
0.3663

 3.4317, 0.7036,
0.2964

 133.4005, 0.4690,
0.3654

 1.3611, 0.7571,
0.2429

 167.2591, 0.4580,
0.3643

 0.1878, 0.9074,
0.0926

 206.4105, 0.4484,

 0.0000, 1.0000,

0.3632

0.0000

251.2394, 0.4399,
0.3621

0.0000, 0.0000,
0.0000

30.0484, 0.5578,
0.3635

30.0484, 0.5578,
0.3635

26.6759, 0.5915,
0.3579

34.4560, 0.5182,
0.3652

24.2358, 0.6157,
0.3493

39.9727, 0.4773,
0.3633


24.2327, 0.6158,
0.3493

46.6714, 0.4388,
0.3591

54.6170, 0.4046,
0.3534

63.8693, 0.3751,
0.3472

 74.4845, 0.3504,
0.3408

 86.5154, 0.3298,
0.3347

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



30.0484, 0.5144, 0.2886



30.0484, 0.5578, 0.3635



30.0484, 0.5159, 0.4472

Triad

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



30.0484, 0.5578, 0.3635



30.0484, 0.2097, 0.4848



30.0484, 0.1745, 0.1552

Complementary

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



30.0484, 0.5578, 0.3635



53.5281, 0.2127, 0.2697

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.



30.0484, 0.1279, 0.1655



30.0484, 0.5578, 0.3635



30.0484, 0.1401, 0.3269

Square

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



30.0484, 0.5578, 0.3635



30.0484, 0.3146, 0.5718



30.0484, 0.1160, 0.2159



30.0484, 0.2642, 0.1751

Rectangle

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



30.0484, 0.5578, 0.3635



30.0484, 0.4581, 0.5064



30.0484, 0.1160, 0.2159



30.0484, 0.1547, 0.1550

Sweetspot

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



30.0501, 0.5578, 0.3635



70.0620, 0.3598, 0.3434



28.3218, 0.3694, 0.1932



14.1951, 0.3687, 0.3456



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.



30.0501, 0.5578, 0.3635



25.1081, 0.6070, 0.3527



61.5217, 0.4577, 0.4553



18.6512, 0.3289, 0.3344



12.8452, 0.6132, 0.3513



1.4058, 0.5919, 0.3682

Inverse Universe

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



53.5281, 0.2127, 0.2697



48.5055, 0.2050, 0.2563



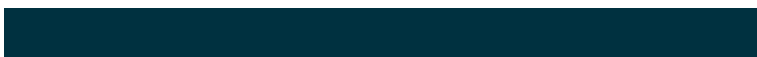
18.8236, 0.1768, 0.1339



19.7459, 0.2980, 0.3235



24.9936, 0.2040, 0.2544



2.5956, 0.2067, 0.2639

Previews

White Background



This preview shows how the Yxy color 30.0484, 0.5578, 0.3635 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0484, 0.5578, 0.3635 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 30.0484, 0.5578, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 30.0484, 0.5578, 0.3635.



This preview shows how white text looks on a background with the Yxy color 30.0484, 0.5578, 0.3635.

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

30.0484, 0.5578, 0.3635

Protanopia

30.3130, 0.4093, 0.4492

Deuteranopia

30.1709, 0.4598, 0.4512



Tritanopia

29.9896, 0.5126, 0.3242

Trichromacy



Original Color

30.0484, 0.5578, 0.3635

Protanomaly

28.5753, 0.4670, 0.4138

Deuteranomaly

29.0859, 0.4999, 0.4151

Tritanomaly

29.8746, 0.5319, 0.3398

Monochromacy



Original Color

30.0484, 0.5578, 0.3635

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.3006, 0.4045, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0484, 0.5578, 0.3635 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, 97, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 51)  
}
```

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, 97, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 51) }
```

Border

The CSS property to change the border of an element to Yxy 30.0484, 0.5578, 0.3635 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, 97, 51) }
```

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

```
.border{ border-color:rgb(255, 97, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0484, 0.5578, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 51) }
```

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

```
.background{ background-color: rgb(255, 97,  
51) }
```

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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