

Converting Colors

$Y_{xy}(30.8727, 0.5719, 0.3744)$

Have a look what the booklet for
Yxy(30.8727, 0.5719, 0.3744)
contains.

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Color

Yxy(30.2583, 0.5697, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	FF631A
RGB	255, 99, 26
RGB Percent	100%, 39%, 10%
CMY	0.0001, 0.6116, 0.8982
CMYK	0.00, 0.61, 0.90, 0.00
HSL	19°, 100%, 55%
HSV	19°, 90%, 100%
XYZ	45.8828, 30.2583, 4.3974
YIQ	137.3220, 116.4090, 10.3690

Conversions

Conversions Part 2

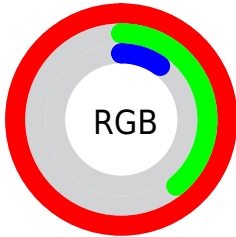
Format	Color
R _Y B	255, 133, 26
Decimal	16737050
CIE Lab	61.88, 56.56, 65.65
CIE LCh	62, 86.652, 49.257
Yxy	30.2583, 0.5697, 0.3757
Android (android.graphics.Color)	4294927130 (0xFFFF631A)
YUV	137.3220, -54.8817, 103.2036
Hunter-Lab	55.0075, 52.6268, 33.7655

Details

The Yxy color **30.2583, 0.5697, 0.3757** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **40.8603, 0.1991, 0.2313**, and the grayscale version is **25.3264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2968, 0.4801, 0.3994**, and **12.5330, 0.6150, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **27.2417, 0.5944, 0.3661**, and if you desaturate by 10%, it is **34.0811, 0.5381, 0.3810**.

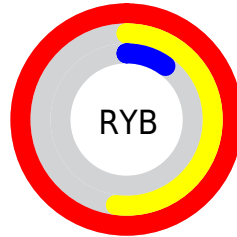
Distribution



Red (100%)

Green (39%)

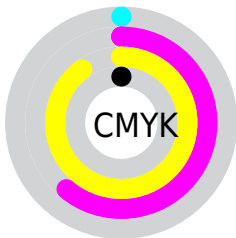
Blue (10%)



Red (100%)

Yellow (52%)

Blue (10%)

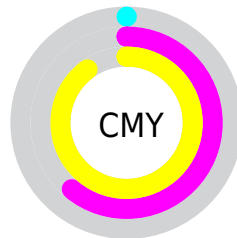


Cyan (0%)

Magenta (61%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (61%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2583, 0.5697, 0.3757 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 30.2583, 0.5697, 0.3757 by changing the saturation by 10% instead.


 30.2583, 0.5697,
0.3757


 30.2583, 0.5697,
0.3757


303.1066, 0.4421,
0.3711


 20.0347, 0.5966,
0.3694


 60.0704, 0.5262,
0.3796

 12.4203, 0.6285,
0.3582


 80.4278, 0.5088,
0.3793


 7.0306, 0.6628,
0.3372

 104.9318, 0.4937,
0.3785

 3.4812, 0.6988,
0.3012

 133.9670, 0.4806,
0.3772

 1.3878, 0.7515,
0.2485

 167.9176, 0.4691,
0.3757


 0.2077, 0.8972,
0.1028


 207.1682, 0.4590,

 0.0000, 1.0000,


0.3742

0.0000


 252.1031, 0.4501,
0.3727


 0.0000, 0.0000,
0.0000

 30.2583, 0.5697,
0.3757

 30.2583, 0.5697,
0.3757


 27.2417, 0.5944,
0.3661


 34.0811, 0.5381,
0.3810

 27.1927, 0.5948,
0.3659

 38.7746, 0.5024,
0.3815

 44.3967, 0.4658,
0.3778

 50.9978, 0.4312,
0.3713

 58.6246, 0.3999,
0.3632

67.3204, 0.3725,
0.3544

77.1257, 0.3491,
0.3455

88.0790, 0.3292,
0.3369

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



30.2583, 0.5443, 0.2977



30.2583, 0.5697, 0.3757



30.2583, 0.5096, 0.4656

Triad

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



30.2583, 0.5697, 0.3757



30.2583, 0.1850, 0.4681



30.2583, 0.1799, 0.1481

Complementary

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



30.2583, 0.5697, 0.3757



40.8603, 0.1991, 0.2313

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.



30.2583, 0.1248, 0.1522



30.2583, 0.5697, 0.3757



30.2583, 0.1226, 0.2982

Square

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



30.2583, 0.5697, 0.3757



30.2583, 0.2900, 0.5862



30.2583, 0.1063, 0.1945



30.2583, 0.2825, 0.1739

Rectangle

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



30.2583, 0.5697, 0.3757



30.2583, 0.4430, 0.5294



30.2583, 0.1063, 0.1945



30.2583, 0.1568, 0.1460

Sweetspot

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



30.2600, 0.5697, 0.3757



69.9796, 0.3655, 0.3518



25.3900, 0.4098, 0.2077



14.2938, 0.3740, 0.3549



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.



30.2600, 0.5697, 0.3757



27.1975, 0.5948, 0.3659



68.9163, 0.4498, 0.4754



18.9329, 0.3286, 0.3366



14.4479, 0.5918, 0.3683



1.5940, 0.5698, 0.3858

Inverse Universe

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



40.8603, 0.1991, 0.2313



37.3559, 0.1942, 0.2190



11.5666, 0.1606, 0.0905



19.4467, 0.2980, 0.3212



19.8005, 0.1947, 0.2210



2.1252, 0.1986, 0.2348

Previews

White Background



This preview shows how the Yxy color 30.2583, 0.5697, 0.3757 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 30.2583, 0.5697, 0.3757 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 30.2583, 0.5697, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 30.2583, 0.5697, 0.3757.



This preview shows how white text looks on a background with the Yxy color 30.2583, 0.5697, 0.3757.

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

30.2583, 0.5697, 0.3757

Protanopia

30.2840, 0.4283, 0.4730

Deuteranopia

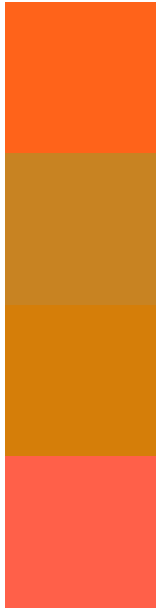
30.1648, 0.4715, 0.4639



Tritanopia

30.3645, 0.5100, 0.3251

Trichromacy



Original Color

30.2583, 0.5697, 0.3757

Protanomaly

28.6275, 0.4868, 0.4325

Deuteranomaly

29.0876, 0.5135, 0.4273

Tritanomaly

30.1068, 0.5397, 0.3485

Monochromacy



Original Color

30.2583, 0.5697, 0.3757

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7323, 0.4164, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2583, 0.5697, 0.3757 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, 99, 26)` looks like.

```
.text, #text, p{  
  color:rgb(255, 99, 26)  
}
```

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, 99, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 26) }
```

Border

The CSS property to change the border of an element to Yxy 30.2583, 0.5697, 0.3757 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, 99, 26) }
```

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

```
.border{ border-color:rgb(255, 99, 26) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2583, 0.5697, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 26) }
```

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

```
.background{ background-color: rgb(255, 99,  
26) }
```

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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