

Converting Colors

$Y_{xy}(30.2576, 0.5682, 0.3831)$

Have a look what the booklet for
Yxy(30.2576, 0.5682, 0.3831)
contains.

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Color

Yxy(30.4250, 0.5678, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	FC670D
RGB	252, 103, 13
RGB Percent	99%, 40%, 5%
CMY	0.0117, 0.5961, 0.9486
CMYK	0.00, 0.59, 0.95, 0.01
HSL	23°, 98%, 52%
HSV	23°, 95%, 99%
XYZ	45.0700, 30.4250, 3.8815
YIQ	137.2910, 117.6940, 3.5980

Conversions

Conversions Part 2

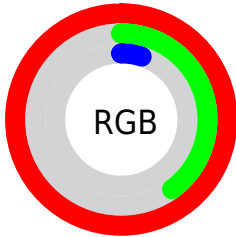
Format	Color
R _Y B	252, 157, 13
Decimal	16541453
CIE Lab	62.02, 53.61, 68.69
CIE LCh	62, 87.136, 52.030
Yxy	30.4250, 0.5678, 0.3833
Android (android.graphics.Color)	4294731533 (0xFFFC670D)
YUV	137.2910, -61.2755, 100.5998
Hunter-Lab	55.1589, 49.3232, 34.4390

Details

The Yxy color **30.4250, 0.5678, 0.3833** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **32.9958, 0.1911, 0.2055**, and the grayscale version is **25.3411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2081, 0.4823, 0.4074**, and **12.5978, 0.6075, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **28.8493, 0.5795, 0.3781**, and if you desaturate by 10%, it is **33.9656, 0.5412, 0.3906**.

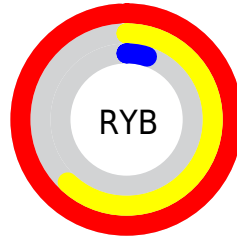
Distribution



Red (99%)

Green (40%)

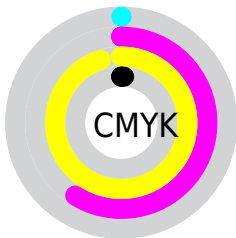
Blue (5%)



Red (99%)

Yellow (62%)

Blue (5%)

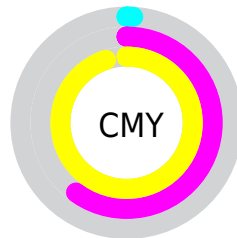


Cyan (0%)

Magenta (59%)

Yellow (95%)

Black (1%)



Cyan (1%)

Magenta (60%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4250, 0.5678, 0.3833 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 30.4250, 0.5678, 0.3833 by changing the saturation by 10% instead.


 30.4250, 0.5678,
0.3833


 30.4250, 0.5678,
0.3833


303.8805, 0.4425,
0.3758


 20.1614, 0.5935,
0.3773


 60.3336, 0.5256,
0.3864


 12.5124, 0.6251,
0.3672


 80.7475, 0.5085,
0.3858


 7.0937, 0.6548,
0.3452


 105.3135, 0.4937,
0.3846

 3.5207, 0.6896,
0.3104

 134.4161, 0.4808,
0.3830

 1.4093, 0.7410,
0.2590

 168.4398, 0.4694,
0.3812


 0.2235, 0.8850,
0.1150


 207.7688, 0.4594,

 0.0000, 1.0000,


0.3794


0.0000

 252.7875, 0.4505,
0.3776

 0.0000, 0.0000,
0.0000


 30.4250, 0.5678,
0.3833


 30.4250, 0.5678,
0.3833


 28.8493, 0.5795,
0.3781


 33.9656, 0.5412,
0.3906


 38.2327, 0.5096,
0.3925


 43.2756, 0.4759,
0.3895


 49.1362, 0.4426,
0.3829

 55.8531, 0.4116,
0.3740

 63.4618, 0.3837,
0.3640

 71.9959, 0.3594,
0.3535

 81.4866, 0.3383,
0.3432

 91.9641, 0.3204,
0.3335

Harmonies

Analogous

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



30.4250, 0.5518, 0.3044



30.4250, 0.5678, 0.3833



30.4250, 0.5015, 0.4747

Triad

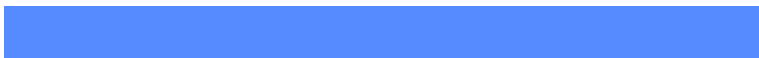
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.4250, 0.5678, 0.3833



30.4250, 0.1766, 0.4522



30.4250, 0.1868, 0.1488

Complementary

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



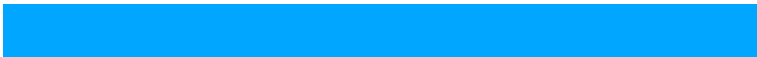
30.4250, 0.5678, 0.3833



32.9958, 0.1911, 0.2055

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.



30.4250, 0.1277, 0.1500



30.4250, 0.5678, 0.3833



30.4250, 0.1189, 0.2851

Square

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



30.4250, 0.5678, 0.3833



30.4250, 0.2791, 0.5828



30.4250, 0.1061, 0.1880



30.4250, 0.2944, 0.1774

Rectangle

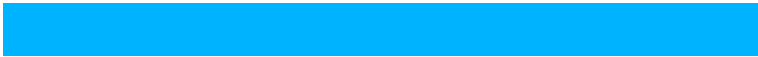
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.4250, 0.5678, 0.3833



30.4250, 0.4330, 0.5381



30.4250, 0.1061, 0.1880



30.4250, 0.1623, 0.1458

Sweetspot

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



30.4267, 0.5678, 0.3833



71.0278, 0.3668, 0.3569



23.6823, 0.4350, 0.2190



14.3961, 0.3774, 0.3614



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.



30.4267, 0.5678, 0.3833



29.6169, 0.5796, 0.3780



71.9923, 0.4430, 0.4843



18.2953, 0.3285, 0.3380



15.2875, 0.5765, 0.3804



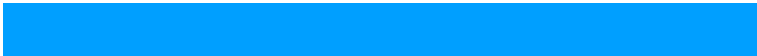
1.6124, 0.5541, 0.3982

Inverse Universe

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



32.9958, 0.1911, 0.2055



32.0329, 0.1884, 0.1981



8.9890, 0.1550, 0.0746



18.4468, 0.2980, 0.3199



16.5464, 0.1891, 0.2006



1.7363, 0.1938, 0.2176

Previews

White Background



This preview shows how the Yxy color 30.4250, 0.5678, 0.3833 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 30.4250, 0.5678, 0.3833 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 30.4250, 0.5678, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 30.4250, 0.5678, 0.3833.



This preview shows how white text looks on a background with the Yxy color 30.4250, 0.5678, 0.3833.

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

30.4250, 0.5678, 0.3833

Protanopia

30.6521, 0.4329, 0.4801

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.3959, 0.5060, 0.3241

Trichromacy



Original Color

30.4250, 0.5678, 0.3833

Protanomaly

29.2542, 0.4866, 0.4416

Deuteranomaly

29.5954, 0.5116, 0.4303

Tritanomaly

30.2485, 0.5387, 0.3537

Monochromacy



Original Color

30.4250, 0.5678, 0.3833

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.0236, 0.4197, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4250, 0.5678, 0.3833 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(252, 103, 13)` looks like.

```
.text, #text, p{  
    color:rgb(252, 103, 13)  
}
```

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(252, 103, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 103, 13) }
```

Border

The CSS property to change the border of an element to Yxy 30.4250, 0.5678, 0.3833 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(252, 103, 13) }
```

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

```
.border{ border-color:rgb(252, 103, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 103, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 103, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 103, 13);  
box-shadow:4px 4px 4px 4px rgb(252, 103,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4250, 0.5678, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 103, 13) }
```

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

```
.background{ background-color: rgb(252,  
103, 13) }
```

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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