

Converting Colors

$Y_{xy}(30.8809, 0.5723, 0.3838)$

Have a look what the booklet for
Yxy(30.8809, 0.5723, 0.3838)
contains.

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Color

Yxy(30.9605, 0.5719, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	FF6700
RGB	255, 103, 0
RGB Percent	100%, 40%, 0%
CMY	0.0000, 0.5961, 0.9999
CMYK	0.00, 0.60, 1.00, 0.00
HSL	24°, 100%, 50%
HSV	24°, 100%, 100%
XYZ	46.0982, 30.9605, 3.5466
YIQ	136.7060, 123.6550, 0.1910

Conversions

Conversions Part 2

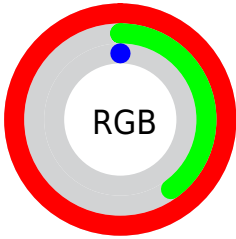
Format	Color
R_{YB}	255, 173, 0
Decimal	16738048
CIE _{Lab}	62.47, 54.59, 71.43
CIE _{LCh}	62, 89.901, 52.610
Yxy	30.9605, 0.5719, 0.3841
Android (android.graphics.Color)	4294928128 (0xFFFF6700)
YUV	136.7060, -67.3961, 103.7438
Hunter-Lab	55.6422, 50.5091, 35.1704

Details

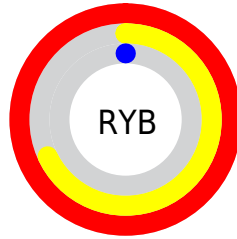
The Yxy color **30.9605, 0.5719, 0.3841** is a dark color, and the websafe version is hex **FF6600**, and the color name is [safety orange \(blaze orange\)](#). The color can be described as dark saturated orange. A complement of this color would be **29.6879, 0.1856, 0.1882**, and the grayscale version is **25.1198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1311, 0.4861, 0.4114**, and **12.9802, 0.6086, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **30.9549, 0.5719, 0.3841**, and if you desaturate by 10%, it is **34.3329, 0.5489, 0.3933**.

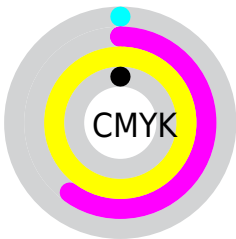
Distribution



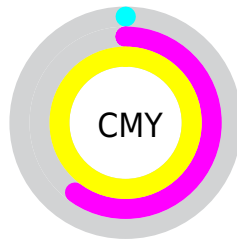
- Red (100%)
- Green (40%)
- Blue (0%)



- Red (100%)
- Yellow (68%)
- Blue (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9605, 0.5719, 0.3841 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 30.9605, 0.5719, 0.3841 by changing the saturation by 10% instead.


 30.9605, 0.5719,
0.3841

 30.9605, 0.5719,
0.3841


306.3563, 0.4461,
0.3776

 20.5688, 0.5971,
0.3776


 61.1779, 0.5300,
0.3879

 12.8092, 0.6289,
0.3675


 81.7723, 0.5129,
0.3875


 7.2973, 0.6560,
0.3440


 106.5364, 0.4980,
0.3863

 3.6487, 0.6906,
0.3094

 135.8547, 0.4849,
0.3848

 1.4791, 0.7414,
0.2586

 170.1114, 0.4734,
0.3830


 0.2739, 0.8703,
0.1297

 209.6909, 0.4632,


 0.0000, 1.0000,


0.3812


0.0000


 254.9778, 0.4542,
0.3794

 0.0000, 0.0000,
0.0000


 30.9605, 0.5719,
0.3841

 30.9605, 0.5719,
0.3841

 30.9549, 0.5719,
0.3841

 34.3329, 0.5489,
0.3933

 38.3806, 0.5207,
0.3975

 43.1546, 0.4891,
0.3964

 48.6967, 0.4567,
0.3910

 55.0445, 0.4254,
0.3825

■ 62.2327, 0.3966,
0.3722

■ 70.2935, 0.3710,
0.3611

■ 79.2573, 0.3486,
0.3499

■ 89.1529, 0.3293,
0.3392

Harmonies

Analogous

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



30.9605, 0.5588, 0.3044



30.9605, 0.5719, 0.3841



30.9605, 0.5019, 0.4774

Triad

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



30.9605, 0.5719, 0.3841



30.9605, 0.1716, 0.4520



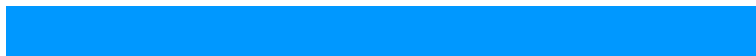
30.9605, 0.1859, 0.1461

Complementary

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



30.9605, 0.5719, 0.3841



29.6879, 0.1856, 0.1882

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.



30.9605, 0.1254, 0.1465



30.9605, 0.5719, 0.3841



30.9605, 0.1146, 0.2807

Square

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



30.9605, 0.5719, 0.3841



30.9605, 0.2748, 0.5890



30.9605, 0.1030, 0.1837



30.9605, 0.2963, 0.1755

Rectangle

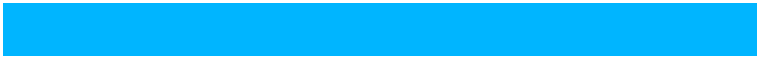
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.9605, 0.5719, 0.3841



30.9605, 0.4313, 0.5430



30.9605, 0.1030, 0.1837



30.9605, 0.1607, 0.1428

Sweetspot

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



30.9570, 0.5719, 0.3841



70.2878, 0.3710, 0.3611



23.5605, 0.4573, 0.2293



14.2939, 0.3814, 0.3658



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.



30.9570, 0.5719, 0.3841



30.9549, 0.5719, 0.3841



77.5767, 0.4384, 0.4901



19.1911, 0.3284, 0.3386



16.4487, 0.5690, 0.3864



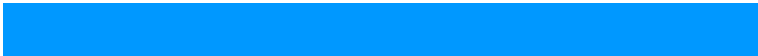
1.8091, 0.5483, 0.4029

Inverse Universe

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



29.6879, 0.1856, 0.1882



29.6856, 0.1856, 0.1882



7.9376, 0.1515, 0.0653



19.1788, 0.2979, 0.3192



15.8120, 0.1863, 0.1907



1.7540, 0.1911, 0.2080

Previews

White Background



This preview shows how the Yxy color 30.9605, 0.5719, 0.3841 looks on a white background.

Color Contrast Check

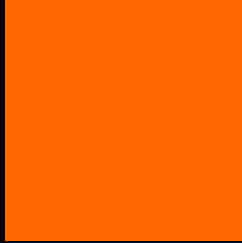
Large Text (above 18pt) WCAG AA × Fail

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 30.9605, 0.5719, 0.3841 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 30.9605, 0.5719, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 30.9605, 0.5719, 0.3841.



This preview shows how white text looks on a background with the Yxy color 30.9605, 0.5719, 0.3841.

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

30.9605, 0.5719, 0.3841

Protanopia

31.1846, 0.4349, 0.4810

Deuteranopia

31.0229, 0.4709, 0.4643



Tritanopia

30.9948, 0.5030, 0.3241

Trichromacy



Original Color

30.9605, 0.5719, 0.3841

Protanomaly

29.6442, 0.4915, 0.4418

Deuteranomaly

29.9967, 0.5120, 0.4316

Tritanomaly

30.7677, 0.5429, 0.3570

Monochromacy



Original Color

30.9605, 0.5719, 0.3841

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.0586, 0.4268, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9605, 0.5719, 0.3841 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 0)  
}
```

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, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.9605, 0.5719, 0.3841 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, 103, 0) }
```

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

```
.border{ border-color:rgb(255, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9605, 0.5719, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 0) }
```

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

```
.background{ background-color: rgb(255,  
103, 0) }
```

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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