

Converting Colors

$Y_{xy}(39.4866, 0.5882, 0.3694)$

Have a look what the booklet for
Yxy(39.4866, 0.5882, 0.3694)
contains.

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Color

Yxy(30.7803, 0.5714, 0.3821)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF6608 |
| RGB | 255, 102, 8 |
| RGB Percent | 100%, 40%, 3% |
| CMY | 0.0001, 0.5999, 0.9685 |
| CMYK | 0.00, 0.60, 0.97, 0.00 |
| HSL | 23°, 100%, 52% |
| HSV | 23°, 97%, 100% |
| XYZ | 46.0295, 30.7803, 3.7458 |
| YIQ | 137.0310, 121.3620, 3.2020 |

Conversions

Conversions Part 2

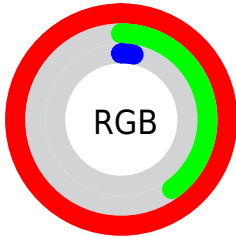
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 255, 160, 8 |
| Decimal | 16737800 |
| CIE Lab | 62.32, 55.05, 69.99 |
| CIE LCh | 62, 89.048, 51.812 |
| Yxy | 30.7803, 0.5714, 0.3821 |
| Android (android.graphics.Color) | 4294927880 (0xFFFF6608) |
| YUV | 137.0310, -63.6123, 103.4588 |
| Hunter-Lab | 55.4800, 51.0041, 34.8329 |

Details

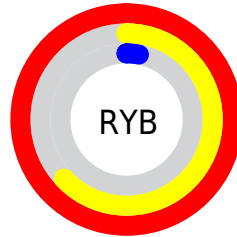
The Yxy color **30.7803, 0.5714, 0.3821** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **32.7554, 0.1896, 0.2010**, and the grayscale version is **25.2452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8418, 0.4845, 0.4078**, and **12.8239, 0.6108, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **29.8146, 0.5784, 0.3789**, and if you desaturate by 10%, it is **34.2838, 0.5462, 0.3904**.

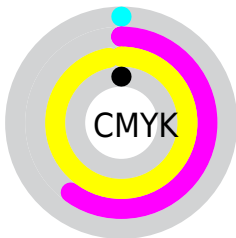
Distribution



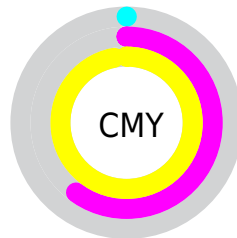
- Red (100%)
- Green (40%)
- Blue (3%)



- Red (100%)
- Yellow (63%)
- Blue (3%)



- Cyan (0%)
- Magenta (60%)
- Yellow (97%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7803, 0.5714, 0.3821 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 30.7803, 0.5714, 0.3821 by changing the saturation by 10% instead.


 30.7803, 0.5714,
0.3821


 30.7803, 0.5714,
0.3821


305.5249, 0.4451,
0.3760


 20.4316, 0.5970,
0.3756


 60.8940, 0.5291,
0.3859


 12.7092, 0.6288,
0.3652


 81.4278, 0.5119,
0.3855


 7.2286, 0.6576,
0.3424


 106.1255, 0.4969,
0.3844

 3.6055, 0.6926,
0.3074

 135.3713, 0.4838,
0.3829

 1.4554, 0.7438,
0.2562

 169.5498, 0.4723,
0.3813

 0.2570, 0.8769,
0.1231

 209.0453, 0.4622,

 0.0000, 1.0000,

0.3795


0.0000

 254.2422, 0.4531,
0.3778


 0.0000, 0.0000,
0.0000


 30.7803, 0.5714,
0.3821


 30.7803, 0.5714,
0.3821


 29.8146, 0.5784,
0.3789

 34.2838, 0.5462,
0.3904

 38.5160, 0.5156,
0.3933

 43.5285, 0.4823,
0.3912

 49.3650, 0.4490,
0.3852

 56.0651, 0.4175,
0.3765

63.6653, 0.3891,
0.3665

72.2001, 0.3640,
0.3560

81.7017, 0.3424,
0.3455

92.2007, 0.3238,
0.3355

Harmonies

Analogous

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



30.7803, 0.5553, 0.3028



30.7803, 0.5714, 0.3821



30.7803, 0.5038, 0.4745

Triad

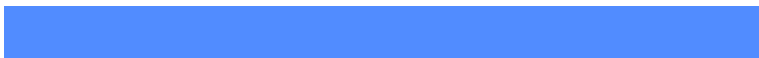
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.7803, 0.5714, 0.3821



30.7803, 0.1748, 0.4559



30.7803, 0.1845, 0.1466

Complementary

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



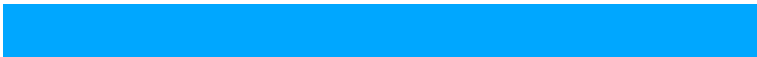
30.7803, 0.5714, 0.3821



32.7554, 0.1896, 0.2010

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.



30.7803, 0.1253, 0.1479



30.7803, 0.5714, 0.3821



30.7803, 0.1166, 0.2849

Square

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



30.7803, 0.5714, 0.3821



30.7803, 0.2785, 0.5884



30.7803, 0.1038, 0.1863



30.7803, 0.2929, 0.1751

Rectangle

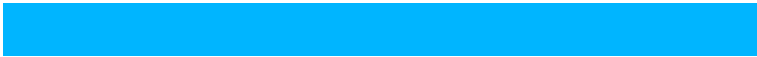
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



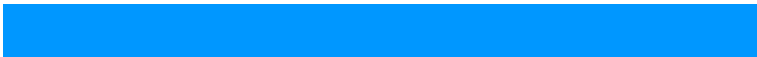
30.7803, 0.5714, 0.3821



30.7803, 0.4342, 0.5396



30.7803, 0.1038, 0.1863



30.7803, 0.1598, 0.1436

Sweetspot

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



30.7821, 0.5714, 0.3821



70.2961, 0.3691, 0.3582



24.1263, 0.4383, 0.2201



14.2607, 0.3797, 0.3628



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.



30.7821, 0.5714, 0.3821



29.8204, 0.5784, 0.3789



73.5438, 0.4440, 0.4844



19.1202, 0.3285, 0.3381



15.8470, 0.5755, 0.3813



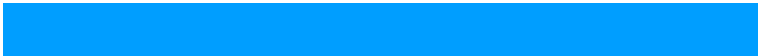
1.7459, 0.5542, 0.3981

Inverse Universe

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



32.7554, 0.1896, 0.2010



31.6534, 0.1879, 0.1966



8.8538, 0.1539, 0.0719



19.2518, 0.2979, 0.3197



16.8370, 0.1886, 0.1989



1.8504, 0.1932, 0.2153

Previews

White Background



This preview shows how the Yxy color 30.7803, 0.5714, 0.3821 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 30.7803, 0.5714, 0.3821 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 30.7803, 0.5714, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 30.7803, 0.5714, 0.3821.



This preview shows how white text looks on a background with the Yxy color 30.7803, 0.5714, 0.3821.

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

30.7803, 0.5714, 0.3821

Protanopia

30.7538, 0.4346, 0.4803

Deuteranopia

30.7213, 0.4722, 0.4633



Tritanopia

30.7887, 0.5049, 0.3241

Trichromacy



Original Color

30.7803, 0.5714, 0.3821

Protanomaly

29.2396, 0.4910, 0.4405

Deuteranomaly

29.7411, 0.5128, 0.4300

Tritanomaly

30.6010, 0.5419, 0.3548

Monochromacy



Original Color

30.7803, 0.5714, 0.3821

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8568, 0.4241, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7803, 0.5714, 0.3821 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, 102, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 8)  
}
```

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, 102, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 8) }
```

Border

The CSS property to change the border of an element to Yxy 30.7803, 0.5714, 0.3821 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, 102, 8) }
```

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

```
.border{ border-color:rgb(255, 102, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7803, 0.5714, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 8) }
```

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

```
.background{ background-color: rgb(255,  
102, 8) }
```

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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