

Converting Colors

$Y_{xy}(29.2223, 0.5731, 0.3808)$

Have a look what the booklet for
Yxy(29.2223, 0.5731, 0.3808)
contains.

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Color

Yxy(29.2630, 0.5725, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	FA6307
RGB	250, 99, 7
RGB Percent	98%, 39%, 3%
CMY	0.0196, 0.6117, 0.9721
CMYK	0.00, 0.60, 0.97, 0.02
HSL	23°, 96%, 50%
HSV	23°, 97%, 98%
XYZ	43.9252, 29.2630, 3.5370
YIQ	133.6610, 119.5280, 3.4000

Conversions

Conversions Part 2

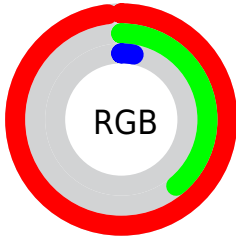
Format	Color
R_{YB}	250, 155, 7
Decimal	16409351
CIE _{Lab}	61.01, 54.62, 68.97
CIE _{LCh}	61, 87.974, 51.623
Yxy	29.2630, 0.5725, 0.3814
Android (android.graphics.Color)	4294599431 (0xFFFA6307)
YUV	133.6610, -62.4439, 102.0293
Hunter-Lab	54.0953, 50.2746, 33.9900

Details

The Yxy color **29.2630, 0.5725, 0.3814** 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 **31.4346, 0.1897, 0.2015**, and the grayscale version is **23.9156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8134, 0.4886, 0.4062**, and **11.9702, 0.6125, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **28.4350, 0.5789, 0.3786**, and if you desaturate by 10%, it is **32.5876, 0.5474, 0.3898**.

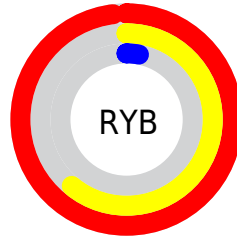
Distribution



Red (98%)

Green (39%)

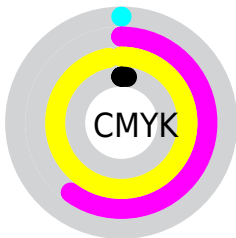
Blue (3%)



Red (98%)

Yellow (61%)

Blue (3%)

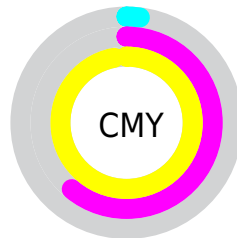


Cyan (0%)

Magenta (60%)

Yellow (97%)

Black (2%)



Cyan (2%)


Magenta (61%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2630, 0.5725, 0.3814 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 29.2630, 0.5725, 0.3814 by changing the saturation by 10% instead.

 29.2630, 0.5725,
0.3814


 29.2630, 0.5725,
0.3814

298.4538, 0.4446,
0.3756


 19.2799, 0.5987,
0.3746


 58.4947, 0.5294,
0.3854


 11.8727, 0.6321,
0.3642


 78.5120, 0.5120,
0.3851


 6.6570, 0.6604,
0.3396


 102.6429, 0.4968,
0.3840

 3.2486, 0.6969,
0.3031

 131.2717, 0.4836,
0.3825

 1.2628, 0.7508,
0.2492

 164.7828, 0.4720,
0.3808


 0.1121, 0.9342,
0.0658

 203.5605, 0.4617,


 0.0000, 1.0000,


0.3791


0.0000

 247.9895, 0.4526,
0.3773

 0.0000, 0.0000,
0.0000

 29.2630, 0.5725,
0.3814


 29.2630, 0.5725,
0.3814


 28.4350, 0.5789,
0.3786

 32.5876, 0.5474,
0.3898

 36.6095, 0.5168,
0.3929

 41.3787, 0.4835,
0.3909

 46.9373, 0.4500,
0.3850

 53.3233, 0.4185,
0.3765

60.5722, 0.3899,
0.3666

68.7168, 0.3647,
0.3561

77.7883, 0.3430,
0.3457

87.8161, 0.3244,
0.3358

Harmonies

Analogous

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



29.2630, 0.5559, 0.3021



29.2630, 0.5725, 0.3814



29.2630, 0.5048, 0.4741

Triad

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



29.2630, 0.5725, 0.3814



29.2630, 0.1747, 0.4577



29.2630, 0.1835, 0.1460

Complementary

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



29.2630, 0.5725, 0.3814



31.4346, 0.1897, 0.2015

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.



29.2630, 0.1245, 0.1474



29.2630, 0.5725, 0.3814



29.2630, 0.1161, 0.2854

Square

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



29.2630, 0.5725, 0.3814



29.2630, 0.2789, 0.5901



29.2630, 0.1031, 0.1861



29.2630, 0.2920, 0.1744

Rectangle

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



29.2630, 0.5725, 0.3814



29.2630, 0.4350, 0.5396



29.2630, 0.1031, 0.1861



29.2630, 0.1589, 0.1430

Sweetspot

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



29.2647, 0.5725, 0.3814



70.2140, 0.3692, 0.3581



23.0492, 0.4387, 0.2202



14.2414, 0.3798, 0.3626



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.



29.2647, 0.5725, 0.3814



29.7142, 0.5790, 0.3784



70.2823, 0.4441, 0.4844



18.3014, 0.3284, 0.3380



15.3377, 0.5759, 0.3809



1.6175, 0.5536, 0.3986

Inverse Universe

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



31.4346, 0.1897, 0.2015



31.8503, 0.1882, 0.1974



8.4314, 0.1537, 0.0717



18.4405, 0.2980, 0.3198



16.4542, 0.1889, 0.1998



1.7281, 0.1936, 0.2169

Previews

White Background



This preview shows how the Yxy color 29.2630, 0.5725, 0.3814 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 29.2630, 0.5725, 0.3814 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2630, 0.5725, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 29.2630, 0.5725, 0.3814.



This preview shows how white text looks on a background with the Yxy color 29.2630, 0.5725, 0.3814.

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

29.2630, 0.5725, 0.3814

Protanopia

29.3614, 0.4337, 0.4805

Deuteranopia

29.1953, 0.4711, 0.4642



Tritanopia

29.2316, 0.5121, 0.3242

Trichromacy



Original Color

29.2630, 0.5725, 0.3814

Protanomaly

27.8826, 0.4912, 0.4400

Deuteranomaly

28.2291, 0.5126, 0.4301

Tritanomaly

29.0753, 0.5457, 0.3539

Monochromacy



Original Color

29.2630, 0.5725, 0.3814

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6094, 0.4240, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2630, 0.5725, 0.3814 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(250, 99, 7)` looks like.

```
.text, #text, p{  
    color:rgb(250, 99, 7)  
}
```

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(250, 99, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 99, 7) }
```

Border

The CSS property to change the border of an element to Yxy 29.2630, 0.5725, 0.3814 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(250, 99, 7) }
```

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

```
.border{ border-color:rgb(250, 99, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 99, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 99, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 99, 7);  
box-shadow:4px 4px 4px 4px rgb(250, 99, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.2630, 0.5725, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 99, 7) }
```

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

```
.background{ background-color: rgb(250, 99,  
7) }
```

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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