

Converting Colors

$Y_{xy}(32.1282, 0.5586, 0.3831)$

Have a look what the booklet for
Yxy(32.1282, 0.5586, 0.3831)
contains.

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Color

Yxy(32.0738, 0.5589, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	FF6C1D
RGB	255, 108, 29
RGB Percent	100%, 42%, 11%
CMY	0.0000, 0.5765, 0.8863
CMYK	0.00, 0.58, 0.89, 0.00
HSL	21°, 100%, 56%
HSV	21°, 89%, 100%
XYZ	46.8288, 32.0738, 4.8848
YIQ	142.9470, 112.9710, 6.5950

Conversions

Conversions Part 2

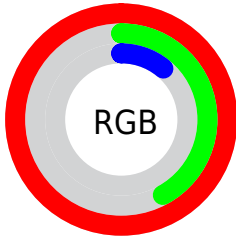
Format	Color
R _Y B	255, 150, 29
Decimal	16739357
CIE Lab	63.40, 52.65, 65.84
CIE LCh	63, 84.300, 51.351
Yxy	32.0738, 0.5589, 0.3828
Android (android.graphics.Color)	4294929437 (0xFFFF6C1D)
YUV	142.9470, -56.1759, 98.2705
Hunter-Lab	56.6337, 48.4873, 34.5297

Details

The Yxy color **32.0738, 0.5589, 0.3828** 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 **38.5334, 0.1972, 0.2229**, and the grayscale version is **27.6387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0945, 0.4710, 0.4050**, and **13.4934, 0.6015, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **28.8197, 0.5838, 0.3736**, and if you desaturate by 10%, it is **36.0925, 0.5278, 0.3872**.

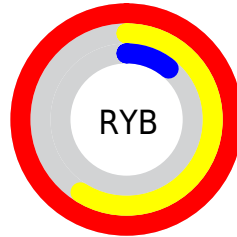
Distribution



Red (100%)

Green (42%)

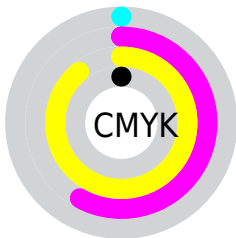
Blue (11%)



Red (100%)

Yellow (59%)

Blue (11%)

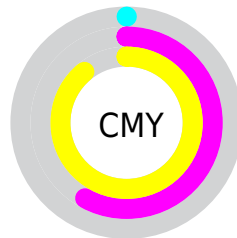


Cyan (0%)

Magenta (58%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0738, 0.5589, 0.3828 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 32.0738, 0.5589, 0.3828 by changing the saturation by 10% instead.


 32.0738, 0.5589,
0.3828


 32.0738, 0.5589,
0.3828


311.4553, 0.4375,
0.3735


 21.4179, 0.5844,
0.3781


 62.9268, 0.5176,
0.3846


 13.4298, 0.6141,
0.3687

 83.8926, 0.5010,
0.3837

 7.7252, 0.6484,
0.3516


 109.0639, 0.4867,
0.3823

 3.9196, 0.6812,
0.3188

 138.8249, 0.4742,
0.3806

 1.6287, 0.7294,
0.2706

 173.5602, 0.4633,
0.3788

 0.3768, 0.8363,
0.1637

 213.6541, 0.4536,

 0.0000, 1.0000,

0.3770

0.0000

259.4910, 0.4451,
0.3752

0.0000, 0.0000,
0.0000

32.0738, 0.5589,
0.3828

32.0738, 0.5589,
0.3828

28.8197, 0.5838,
0.3736

36.0925, 0.5278,
0.3872

28.4268, 0.5869,
0.3722

40.9385, 0.4932,
0.3865

46.6604, 0.4582,
0.3818

53.3030, 0.4251,
0.3743

60.9076, 0.3952,
0.3652

69.5131, 0.3689,
0.3556

79.1556, 0.3463,
0.3459

89.8696, 0.3270,
0.3366

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.0738, 0.5393, 0.3054



32.0738, 0.5589, 0.3828



32.0738, 0.4988, 0.4705

Triad

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



32.0738, 0.5589, 0.3828



32.0738, 0.1849, 0.4494



32.0738, 0.1900, 0.1545

Complementary

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



32.0738, 0.5589, 0.3828



38.5334, 0.1972, 0.2229

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.



32.0738, 0.1330, 0.1567



32.0738, 0.5589, 0.3828



32.0738, 0.1267, 0.2913

Square

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



32.0738, 0.5589, 0.3828



32.0738, 0.2854, 0.5700



32.0738, 0.1126, 0.1956



32.0738, 0.2929, 0.1818

Rectangle

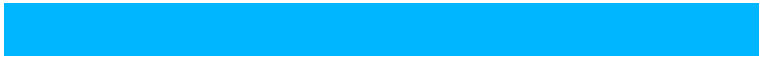
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.0738, 0.5589, 0.3828



32.0738, 0.4340, 0.5301



32.0738, 0.1126, 0.1956



32.0738, 0.1663, 0.1518

Sweetspot

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



32.0727, 0.5589, 0.3828



71.0113, 0.3650, 0.3540



25.4203, 0.4137, 0.2108



14.5336, 0.3733, 0.3573



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.



32.0727, 0.5589, 0.3828



28.4268, 0.5869, 0.3722



71.1463, 0.4457, 0.4778



19.0255, 0.3286, 0.3374



15.1052, 0.5839, 0.3746



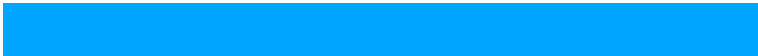
1.6663, 0.5621, 0.3919

Inverse Universe

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



38.5334, 0.1972, 0.2229



34.4444, 0.1911, 0.2079



11.4558, 0.1608, 0.0897



19.3500, 0.2980, 0.3205



18.2886, 0.1917, 0.2101



1.9857, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 32.0738, 0.5589, 0.3828 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 32.0738, 0.5589, 0.3828 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 32.0738, 0.5589, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 32.0738, 0.5589, 0.3828.



This preview shows how white text looks on a background with the Yxy color 32.0738, 0.5589, 0.3828.

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

32.0738, 0.5589, 0.3828

Protanopia

32.1555, 0.4286, 0.4721

Tritanopia

32.0646, 0.4935, 0.3239

Trichromacy



Original Color

32.0738, 0.5589, 0.3828

Protanomaly

30.7214, 0.4808, 0.4356

Tritanomaly

31.9423, 0.5251, 0.3513

Monochromacy



Original Color

32.0738, 0.5589, 0.3828

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.1149, 0.4103, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0738, 0.5589, 0.3828 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, 108, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 29)  
}
```

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, 108, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 29) }
```

Border

The CSS property to change the border of an element to Yxy 32.0738, 0.5589, 0.3828 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, 108, 29) }
```

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

```
.border{ border-color:rgb(255, 108, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 108, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
29) }
```

Background

The CSS property to change the background color of an element to Yxy 32.0738, 0.5589, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 29) }
```

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

```
.background{ background-color: rgb(255,  
108, 29) }
```

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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