

Converting Colors

$Y_{xy}(29.2900, 0.5761, 0.3769)$

Have a look what the booklet for
Yxy(29.2900, 0.5761, 0.3769)
contains.

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Color

Yxy(29.2749, 0.5762, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	FD600C
RGB	253, 96, 12
RGB Percent	99%, 38%, 5%
CMY	0.0079, 0.6235, 0.9525
CMYK	0.00, 0.62, 0.95, 0.01
HSL	21°, 98%, 52%
HSV	21°, 95%, 99%
XYZ	44.7551, 29.2749, 3.6429
YIQ	133.3670, 120.5360, 7.1600

Conversions

Conversions Part 2

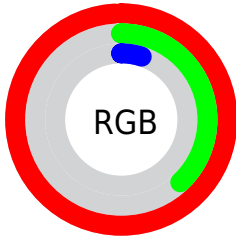
Format	Color
R_{YB}	253, 141, 12
Decimal	16605196
CIE Lab	61.02, 56.99, 68.35
CIE LCh	61, 88.996, 50.179
Yxy	29.2749, 0.5762, 0.3769
Android (android.graphics.Color)	4294795276 (0xFFFD600C)
YUV	133.3670, -59.8339, 104.9181
Hunter-Lab	54.1063, 52.9639, 33.8825

Details

The Yxy color **29.2749, 0.5762, 0.3769** 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 **35.5749, 0.1936, 0.2146**, and the grayscale version is **23.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1844, 0.4892, 0.4029**, and **12.0145, 0.6184, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **27.8813, 0.5871, 0.3720**, and if you desaturate by 10%, it is **32.7168, 0.5490, 0.3847**.

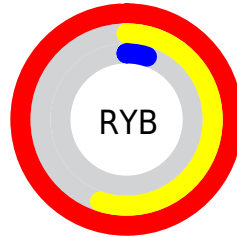
Distribution



Red (99%)

Green (38%)

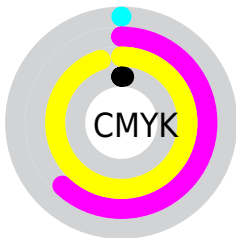
Blue (5%)



Red (99%)

Yellow (55%)

Blue (5%)

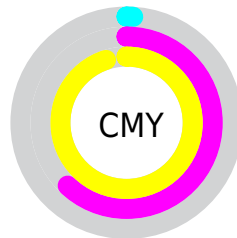


Cyan (0%)

Magenta (62%)

Yellow (95%)

Black (1%)



Cyan (1%)


Magenta (62%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2749, 0.5762, 0.3769 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 29.2749, 0.5762, 0.3769 by changing the saturation by 10% instead.

 29.2749, 0.5762,
0.3769


 29.2749, 0.5762,
0.3769


298.5098, 0.4461,
0.3735


 19.2889, 0.6029,
0.3696


 58.5136, 0.5323,
0.3817

 11.8792, 0.6367,
0.3583


 78.5350, 0.5146,
0.3817


 6.6615, 0.6665,
0.3335


 102.6704, 0.4992,
0.3809

 3.2513, 0.7038,
0.2962

 131.3040, 0.4857,
0.3797

 1.2643, 0.7584,
0.2416

 164.8204, 0.4739,
0.3782

 0.1133, 0.9370,
0.0630

 203.6039, 0.4636,


 0.0000, 1.0000,


0.3767


0.0000


 248.0389, 0.4543,
0.3751

 0.0000, 0.0000,
0.0000


 29.2749, 0.5762,
0.3769

 29.2749, 0.5762,
0.3769

 27.8813, 0.5871,
0.3720

 32.7168, 0.5490,
0.3847

 36.9343, 0.5163,
0.3873

 41.9821, 0.4812,
0.3851

 47.9072, 0.4466,
0.3793

 54.7527, 0.4145,
0.3712

62.5583, 0.3858,
0.3618

71.3613, 0.3608,
0.3521

81.1967, 0.3393,
0.3426

92.0978, 0.3211,
0.3335

Harmonies

Analogous

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



29.2749, 0.5549, 0.2978



29.2749, 0.5762, 0.3769



29.2749, 0.5104, 0.4696

Triad

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



29.2749, 0.5762, 0.3769



29.2749, 0.1774, 0.4683



29.2749, 0.1784, 0.1440

Complementary

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



29.2749, 0.5762, 0.3769



35.5749, 0.1936, 0.2146

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.



29.2749, 0.1213, 0.1469



29.2749, 0.5762, 0.3769



29.2749, 0.1161, 0.2915

Square

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



29.2749, 0.5762, 0.3769



29.2749, 0.2836, 0.5958



29.2749, 0.1015, 0.1878



29.2749, 0.2851, 0.1711

Rectangle

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



29.2749, 0.5762, 0.3769



29.2749, 0.4407, 0.5363



29.2749, 0.1015, 0.1878



29.2749, 0.1545, 0.1415

Sweetspot

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



29.2766, 0.5762, 0.3769



69.1322, 0.3698, 0.3558



24.1515, 0.4231, 0.2122



13.9873, 0.3806, 0.3600



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.



29.2766, 0.5762, 0.3769



28.3764, 0.5872, 0.3720



68.4166, 0.4501, 0.4787



19.0218, 0.3286, 0.3373



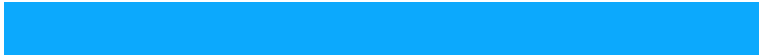
15.0784, 0.5842, 0.3743



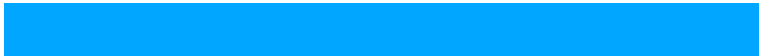
1.6634, 0.5624, 0.3916

Inverse Universe

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



35.5749, 0.1936, 0.2146



34.5544, 0.1912, 0.2083



9.6488, 0.1560, 0.0787



19.3537, 0.2980, 0.3205



18.3458, 0.1918, 0.2105



1.9910, 0.1960, 0.2255

Previews

White Background



This preview shows how the Yxy color 29.2749, 0.5762, 0.3769 looks on a white background.

Color Contrast Check

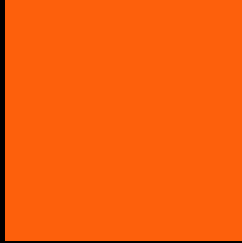
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2749, 0.5762, 0.3769 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 29.2749, 0.5762, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 29.2749, 0.5762, 0.3769.



This preview shows how white text looks on a background with the Yxy color 29.2749, 0.5762, 0.3769.

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

29.2749, 0.5762, 0.3769

Protanopia

29.3755, 0.4326, 0.4788

Deuteranopia

29.1953, 0.4711, 0.4642



Tritanopia

29.2310, 0.5202, 0.3244

Trichromacy



Original Color

29.2749, 0.5762, 0.3769

Protanomaly

27.7681, 0.4922, 0.4367

Deuteranomaly

28.1257, 0.5146, 0.4281

Tritanomaly

29.1068, 0.5502, 0.3508

Monochromacy



Original Color

29.2749, 0.5762, 0.3769

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5013, 0.4248, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2749, 0.5762, 0.3769 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(253, 96, 12)` looks like.

```
.text, #text, p{  
    color:rgb(253, 96, 12)  
}
```

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(253, 96, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 96, 12) }
```

Border

The CSS property to change the border of an element to Yxy 29.2749, 0.5762, 0.3769 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(253, 96, 12) }
```

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

```
.border{ border-color:rgb(253, 96, 12) }
```

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

Here you see how a box with a 4 pixel rgb(253, 96, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 96, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 96, 12);  
box-shadow:4px 4px 4px 4px rgb(253, 96,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2749, 0.5762, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 96, 12) }
```

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

```
.background{ background-color: rgb(253, 96,  
12) }
```

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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