

Converting Colors

$Yxy(29.7806, 0.5593, 0.3748)$

Have a look what the booklet for
Yxy(29.7806, 0.5593, 0.3748)
contains.

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Color

Yxy(29.7713, 0.5593, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	FA6526
RGB	250, 101, 38
RGB Percent	98%, 40%, 15%
CMY	0.0196, 0.6039, 0.8512
CMYK	0.00, 0.60, 0.85, 0.02
HSL	18°, 95%, 56%
HSV	18°, 85%, 98%
XYZ	44.4266, 29.7713, 5.2346
YIQ	138.3690, 109.0270, 11.9950

Conversions

Conversions Part 2

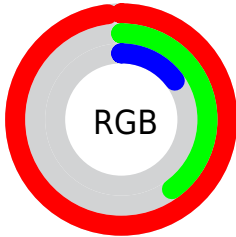
Format	Color
R_{YB}	250, 128, 38
Decimal	16409894
CIE _{Lab}	61.46, 54.17, 60.82
CIE _{LCh}	61, 81.449, 48.310
Yxy	29.7713, 0.5593, 0.3748
Android (android.graphics.Color)	4294599974 (0xFFFA6526)
YUV	138.3690, -49.4819, 97.9004
Hunter-Lab	54.5631, 49.8537, 32.5061

Details

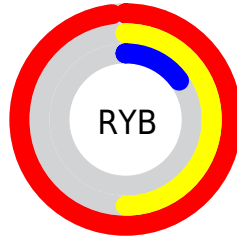
The Yxy color **29.7713, 0.5593, 0.3748** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **42.8274, 0.2041, 0.2441**, and the grayscale version is **25.7260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7751, 0.4724, 0.3934**, and **12.1157, 0.6103, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **26.6077, 0.5879, 0.3670**, and if you desaturate by 10%, it is **33.7753, 0.5243, 0.3779**.

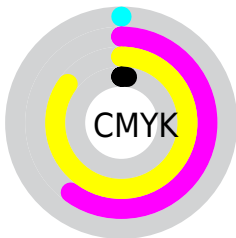
Distribution



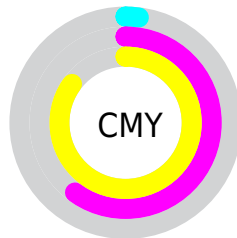
- Red (98%)
- Green (40%)
- Blue (15%)



- Red (98%)
- Yellow (50%)
- Blue (15%)



- Cyan (0%)
- Magenta (60%)
- Yellow (85%)
- Black (2%)




- Cyan (2%)
- Magenta (60%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7713, 0.5593, 0.3748 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 29.7713, 0.5593, 0.3748 by changing the saturation by 10% instead.


 29.7713, 0.5593,
0.3748


 29.7713, 0.5593,
0.3748


300.8370, 0.4347,
0.3681

 19.6651, 0.5866,
0.3697


 59.3003, 0.5160,
0.3773


 12.1518, 0.6185,
0.3595


 79.4919, 0.4990,
0.3767

 6.8472, 0.6579,
0.3421


 103.8140, 0.4843,
0.3756

 3.3667, 0.6936,
0.3064

 132.6511, 0.4716,
0.3742

 1.3260, 0.7465,
0.2535

 166.3876, 0.4606,
0.3727

 0.1612, 0.9109,
0.0891

 205.4078, 0.4509,

 0.0000, 1.0000,

0.3712

0.0000

250.0961, 0.4423,
0.3696

■ 0.0000, 0.0000,
0.0000

■ 29.7713, 0.5593,
0.3748

■ 29.7713, 0.5593,
0.3748

■ 26.6077, 0.5879,
0.3670

■ 33.7753, 0.5243,
0.3779

■ 25.2673, 0.5999,
0.3618

■ 38.6760, 0.4868,
0.3765

■ 44.5297, 0.4500,
0.3717


■ 51.3863, 0.4162,
0.3648

■ 59.2919, 0.3863,
0.3568

 68.2895, 0.3606,
0.3485

 78.4196, 0.3388,
0.3403

 89.7208, 0.3205,
0.3326

 99.0634, 0.3096,
0.3290

Harmonies

Analogous

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



29.7713, 0.5299, 0.2984



29.7713, 0.5593, 0.3748



29.7713, 0.5063, 0.4609

Triad

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



29.7713, 0.5593, 0.3748



29.7713, 0.1947, 0.4647



29.7713, 0.1833, 0.1545

Complementary

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



29.7713, 0.5593, 0.3748



42.8274, 0.2041, 0.2441

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.



29.7713, 0.1306, 0.1599



29.7713, 0.5593, 0.3748



29.7713, 0.1317, 0.3055

Square

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



29.7713, 0.5593, 0.3748



29.7713, 0.2973, 0.5719



29.7713, 0.1137, 0.2034



29.7713, 0.2807, 0.1788

Rectangle

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



29.7713, 0.5593, 0.3748



29.7713, 0.4442, 0.5205



29.7713, 0.1137, 0.2034



29.7713, 0.1612, 0.1528

Sweetspot

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



29.7730, 0.5593, 0.3748



71.2288, 0.3611, 0.3487



25.4208, 0.3927, 0.2021



14.5107, 0.3697, 0.3516



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.



29.7730, 0.5593, 0.3748



26.4060, 0.6001, 0.3617



63.6745, 0.4515, 0.4684



18.0664, 0.3287, 0.3361



13.6202, 0.5970, 0.3641



1.4376, 0.5738, 0.3826

Inverse Universe

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



42.8274, 0.2041, 0.2441



39.5268, 0.1964, 0.2270



13.6378, 0.1673, 0.1075



18.6858, 0.2980, 0.3218



20.3222, 0.1969, 0.2289



2.0668, 0.2006, 0.2423

Previews

White Background



This preview shows how the Yxy color 29.7713, 0.5593, 0.3748 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 29.7713, 0.5593, 0.3748 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 29.7713, 0.5593, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 29.7713, 0.5593, 0.3748.



This preview shows how white text looks on a background with the Yxy color 29.7713, 0.5593, 0.3748.

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

29.7713, 0.5593, 0.3748

Protanopia

29.8322, 0.4211, 0.4644

Deuteranopia

29.7816, 0.4684, 0.4594



Tritanopia

29.8195, 0.5063, 0.3241

Trichromacy



Original Color

29.7713, 0.5593, 0.3748

Protanomaly

28.5701, 0.4759, 0.4279

Deuteranomaly

28.8408, 0.5073, 0.4241

Tritanomaly

29.6087, 0.5309, 0.3460

Monochromacy



Original Color

29.7713, 0.5593, 0.3748

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.2102, 0.4077, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7713, 0.5593, 0.3748 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, 101, 38)` looks like.

```
.text, #text, p{  
    color:rgb(250, 101, 38)  
}
```

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, 101, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 101, 38) }
```

Border

The CSS property to change the border of an element to Yxy 29.7713, 0.5593, 0.3748 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, 101, 38) }
```

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

```
.border{ border-color:rgb(250, 101, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 101, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 101, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 101, 38);  
box-shadow:4px 4px 4px 4px rgb(250, 101,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7713, 0.5593, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 101, 38) }
```

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

```
.background{ background-color: rgb(250,  
101, 38) }
```

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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