

Converting Colors

$Y_{xy}(29.5278, 0.5802, 0.3775)$

Have a look what the booklet for
Yxy(29.5278, 0.5802, 0.3775)
contains.

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Color

Yxy(29.4444, 0.5807, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	FF5F00
RGB	255, 95, 0
RGB Percent	100%, 37%, 0%
CMY	0.0000, 0.6274, 1.0000
CMYK	0.00, 0.63, 1.00, 0.00
HSL	22°, 100%, 50%
HSV	22°, 100%, 100%
XYZ	45.3297, 29.4444, 3.2863
YIQ	132.0100, 125.8550, 4.3750

Conversions

Conversions Part 2

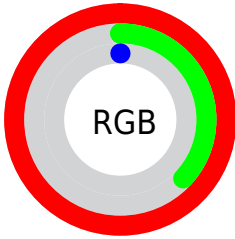
Format	Color
R_{YB}	255, 151, 0
Decimal	16736000
CIE Lab	61.17, 58.01, 70.78
CIE LCh	61, 91.518, 50.664
Yxy	29.4444, 0.5807, 0.3772
Android (android.graphics.Color)	4294926080 (0xFFFF5F00)
YUV	132.0100, -65.0809, 107.8622
Hunter-Lab	54.2627, 54.1547, 34.3931

Details

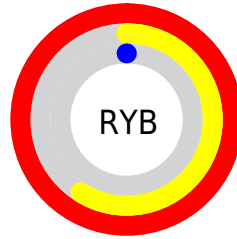
The Yxy color **29.4444, 0.5807, 0.3772** is a dark color, and the websafe version is hex **FF6600**, and the color name is **vivid orange**. The color can be described as dark saturated red. A complement of this color would be **32.3528, 0.1887, 0.1995**, and the grayscale version is **23.2867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7985, 0.4934, 0.4053**, and **12.0209, 0.6205, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **29.4467, 0.5806, 0.3772**, and if you desaturate by 10%, it is **32.7037, 0.5569, 0.3866**.

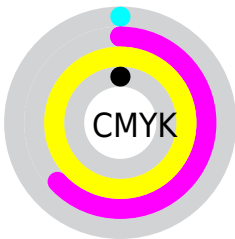
Distribution



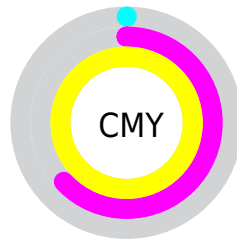
- Red (100%)
- Green (37%)
- Blue (0%)



- Red (100%)
- Yellow (59%)
- Blue (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4444, 0.5807, 0.3772 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 29.4444, 0.5807, 0.3772 by changing the saturation by 10% instead.

 29.4444, 0.5807,
0.3772


 29.4444, 0.5807,
0.3772


299.3060, 0.4497,
0.3750


 19.4173, 0.6071,
0.3693


 58.7824, 0.5369,
0.3828

 11.9722, 0.6416,
0.3580


 78.8621, 0.5191,
0.3830

 6.7247, 0.6687,
0.3313


 103.0614, 0.5035,
0.3823

 3.2905, 0.7060,
0.2940

 131.7647, 0.4899,
0.3812

 1.2852, 0.7606,
0.2394

 165.3564, 0.4780,
0.3798

 0.1297, 0.9310,
0.0690

 204.2209, 0.4674,

 0.0000, 1.0000,

0.3782


0.0000


 248.7427, 0.4580,
0.3766


 0.0000, 0.0000,
0.0000


 29.4444, 0.5807,
0.3772


 29.4444, 0.5807,
0.3772


 29.4467, 0.5806,
0.3772

 32.7037, 0.5569,
0.3866

 36.6802, 0.5274,
0.3914

 41.4360, 0.4943,
0.3910

 47.0175, 0.4603,
0.3862

 53.4667, 0.4277,
0.3784

60.8221, 0.3980,
0.3689

69.1197, 0.3717,
0.3587

78.3933, 0.3489,
0.3484

88.6749, 0.3294,
0.3384

Harmonies

Analogous

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



29.4444, 0.5620, 0.2974



29.4444, 0.5807, 0.3772



29.4444, 0.5112, 0.4718

Triad

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



29.4444, 0.5807, 0.3772



29.4444, 0.1725, 0.4693



29.4444, 0.1770, 0.1411

Complementary

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



29.4444, 0.5807, 0.3772



32.3528, 0.1887, 0.1995

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.



29.4444, 0.1187, 0.1433



29.4444, 0.5807, 0.3772



29.4444, 0.1119, 0.2874

Square

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



29.4444, 0.5807, 0.3772



29.4444, 0.2795, 0.6028



29.4444, 0.0981, 0.1835



29.4444, 0.2864, 0.1689

Rectangle

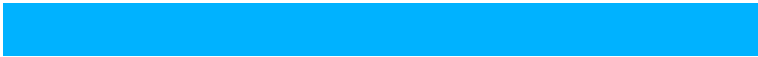
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.4444, 0.5807, 0.3772



29.4444, 0.4393, 0.5407



29.4444, 0.0981, 0.1835



29.4444, 0.1526, 0.1383

Sweetspot

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



29.4467, 0.5806, 0.3772



69.1231, 0.3717, 0.3587



23.8497, 0.4434, 0.2216



14.0213, 0.3824, 0.3630



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.



29.4467, 0.5806, 0.3772



29.4482, 0.5806, 0.3772



72.9692, 0.4455, 0.4845



19.0958, 0.3285, 0.3379



15.6491, 0.5777, 0.3795



1.7248, 0.5563, 0.3965

Inverse Universe

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



32.3528, 0.1887, 0.1995



32.3544, 0.1887, 0.1995



8.3636, 0.1524, 0.0684



19.2770, 0.2979, 0.3199



17.2018, 0.1894, 0.2018



1.8846, 0.1939, 0.2179

Previews

White Background



This preview shows how the Yxy color 29.4444, 0.5807, 0.3772 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 29.4444, 0.5807, 0.3772 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 29.4444, 0.5807, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 29.4444, 0.5807, 0.3772.



This preview shows how white text looks on a background with the Yxy color 29.4444, 0.5807, 0.3772.

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

29.4444, 0.5807, 0.3772

Protanopia

29.4699, 0.4348, 0.4797

Deuteranopia

29.6145, 0.4708, 0.4644



Tritanopia

29.3986, 0.5196, 0.3253

Trichromacy



Original Color

29.4444, 0.5807, 0.3772

Protanomaly

27.8831, 0.4950, 0.4381

Deuteranomaly

28.4124, 0.5171, 0.4276

Tritanomaly

29.2405, 0.5553, 0.3539

Monochromacy



Original Color

29.4444, 0.5807, 0.3772

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1809, 0.4317, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4444, 0.5807, 0.3772 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, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 0)  
}
```

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, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.4444, 0.5807, 0.3772 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, 95, 0) }
```

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

```
.border{ border-color:rgb(255, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 29.4444, 0.5807, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 0) }
```

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

```
.background{ background-color: rgb(255, 95,  
0) }
```

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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