

Converting Colors

$Y_{xy}(29.5402, 0.5776, 0.3755)$

Have a look what the booklet for
Yxy(29.5402, 0.5776, 0.3755)
contains.

Yxy(29.4735, 0.5780, 0.3752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(29.4735, 0.5780, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	FF5F0D
RGB	255, 95, 13
RGB Percent	100%, 37%, 5%
CMY	0.0000, 0.6274, 0.9490
CMYK	0.00, 0.63, 0.95, 0.00
HSL	20°, 100%, 53%
HSV	20°, 95%, 100%
XYZ	45.4043, 29.4735, 3.6763
YIQ	133.4920, 121.6820, 8.4180

Conversions

Conversions Part 2

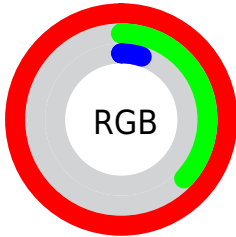
Format	Color
R_{YB}	255, 137, 13
Decimal	16736013
CIE Lab	61.20, 58.11, 68.46
CIE LCh	61, 89.798, 49.671
Yxy	29.4735, 0.5780, 0.3752
Android (android.graphics.Color)	4294926093 (0xFFFF5F0D)
YUV	133.4920, -59.4026, 106.5625
Hunter-Lab	54.2895, 54.2794, 33.9877

Details

The Yxy color **29.4735, 0.5780, 0.3752** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **37.1847, 0.1946, 0.2183**, and the grayscale version is **23.8344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8743, 0.4894, 0.4013**, and **12.0209, 0.6205, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **27.9826, 0.5897, 0.3700**, and if you desaturate by 10%, it is **32.9624, 0.5504, 0.3829**.

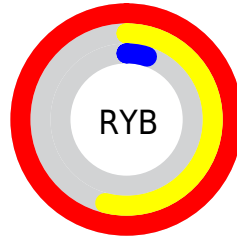
Distribution



Red (100%)

Green (37%)

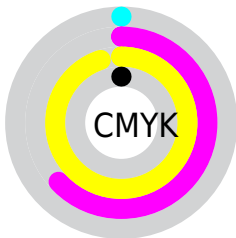
Blue (5%)



Red (100%)

Yellow (54%)

Blue (5%)

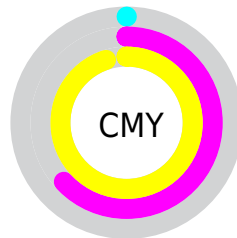


Cyan (0%)

Magenta (63%)

Yellow (95%)

Black (0%)



Cyan (0%)

Magenta (63%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4735, 0.5780, 0.3752 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 29.4735, 0.5780, 0.3752 by changing the saturation by 10% instead.


 29.4735, 0.5780,
0.3752


 29.4735, 0.5780,
0.3752


299.4425, 0.4472,
0.3728

 19.4393, 0.6049,
0.3677

 58.8285, 0.5339,
0.3804

 11.9881, 0.6386,
0.3561


 78.9182, 0.5160,
0.3805


 6.7356, 0.6689,
0.3311


 103.1284, 0.5006,
0.3799

 3.2973, 0.7062,
0.2938

 131.8437, 0.4870,
0.3788

 1.2888, 0.7608,
0.2392

 165.4483, 0.4752,
0.3774

 0.1325, 0.9299,
0.0701

 204.3267, 0.4647,

 0.0000, 1.0000,

0.3759


0.0000


 248.8634, 0.4554,
0.3744


 0.0000, 0.0000,
0.0000


 29.4735, 0.5780,
0.3752

 29.4735, 0.5780,
0.3752


 27.9826, 0.5897,
0.3700


 32.9624, 0.5504,
0.3829


 37.2585, 0.5171,
0.3855


 42.4192, 0.4816,
0.3834


 48.4941, 0.4466,
0.3777

 55.5283, 0.4142,
0.3698

 63.5636, 0.3853,
0.3607

 72.6391, 0.3602,
0.3512

 82.7919, 0.3388,
0.3420

 94.0568, 0.3206,
0.3331

Harmonies

Analogous

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



29.4735, 0.5551, 0.2961



29.4735, 0.5780, 0.3752



29.4735, 0.5126, 0.4680

Triad

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



29.4735, 0.5780, 0.3752



29.4735, 0.1780, 0.4725



29.4735, 0.1764, 0.1430

Complementary

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



29.4735, 0.5780, 0.3752



37.1847, 0.1946, 0.2183

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.



29.4735, 0.1199, 0.1463



29.4735, 0.5780, 0.3752



29.4735, 0.1158, 0.2936

Square

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



29.4735, 0.5780, 0.3752



29.4735, 0.2850, 0.5985



29.4735, 0.1005, 0.1881



29.4735, 0.2826, 0.1696

Rectangle

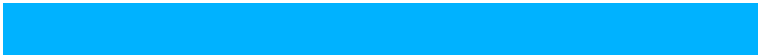
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.4735, 0.5780, 0.3752



29.4735, 0.4427, 0.5354



29.4735, 0.1005, 0.1881



29.4735, 0.1527, 0.1406

Sweetspot

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



29.4752, 0.5780, 0.3752



69.7174, 0.3676, 0.3542



24.6161, 0.4227, 0.2121



14.0867, 0.3784, 0.3583



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.



29.4752, 0.5780, 0.3752



27.9833, 0.5897, 0.3700



69.7182, 0.4500, 0.4787



18.9932, 0.3286, 0.3371



14.8684, 0.5867, 0.3723



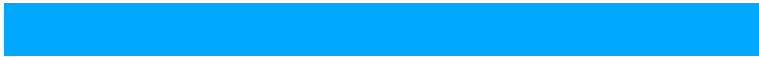
1.6405, 0.5648, 0.3897

Inverse Universe

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



37.1847, 0.1946, 0.2183



35.4389, 0.1922, 0.2118



9.8816, 0.1562, 0.0791



19.3836, 0.2980, 0.3208



18.8053, 0.1928, 0.2139



2.0335, 0.1968, 0.2285

Previews

White Background



This preview shows how the Yxy color 29.4735, 0.5780, 0.3752 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 29.4735, 0.5780, 0.3752 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 29.4735, 0.5780, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 29.4735, 0.5780, 0.3752.



This preview shows how white text looks on a background with the Yxy color 29.4735, 0.5780, 0.3752.

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

29.4735, 0.5780, 0.3752

Protanopia

29.4840, 0.4337, 0.4780

Tritanopia

29.5684, 0.5189, 0.3261

Trichromacy



Original Color

29.4735, 0.5780, 0.3752

Protanomaly

27.9045, 0.4931, 0.4360

Tritanomaly

29.2959, 0.5508, 0.3507

Monochromacy



Original Color

29.4735, 0.5780, 0.3752

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.2620, 0.4256, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4735, 0.5780, 0.3752 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, 13)` looks like.

```
.text, #text, p{  
  color:rgb(255, 95, 13)  
}
```

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, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 13) }
```

Border

The CSS property to change the border of an element to Yxy 29.4735, 0.5780, 0.3752 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, 13) }
```

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

```
.border{ border-color:rgb(255, 95, 13) }
```

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, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
13) }
```

Background

The CSS property to change the background color of an element to Yxy 29.4735, 0.5780, 0.3752 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, 13) }
```

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

```
.background{ background-color: rgb(255, 95,  
13) }
```

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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