

Converting Colors

$Y_{xy}(29.4051, 0.5748, 0.3718)$

Have a look what the booklet for
Yxy(29.4051, 0.5748, 0.3718)
contains.

Yxy(29.3356, 0.5753, 0.3716)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3356, 0.5753, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E19
RGB	255, 94, 25
RGB Percent	100%, 37%, 10%
CMY	0.0000, 0.6313, 0.9017
CMYK	0.00, 0.63, 0.90, 0.00
HSL	18°, 100%, 55%
HSV	18°, 90%, 100%
XYZ	45.4165, 29.3356, 4.1919
YIQ	134.2730, 118.1050, 12.6730

Conversions

Conversions Part 2

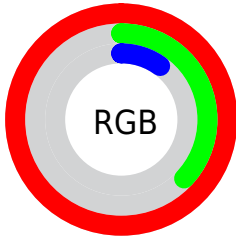
Format	Color
R_{YB}	255, 124, 25
Decimal	16735769
CIE Lab	61.08, 58.67, 65.36
CIE LCh	61, 87.828, 48.087
Yxy	29.3356, 0.5753, 0.3716
Android (android.graphics.Color)	4294925849 (0xFFFF5E19)
YUV	134.2730, -53.8716, 105.8776
Hunter-Lab	54.1623, 54.8927, 33.3249

Details

The Yxy color **29.3356, 0.5753, 0.3716** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **42.5615, 0.2007, 0.2371**, and the grayscale version is **24.1210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6372, 0.4860, 0.3960**, and **12.0349, 0.6225, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **26.4919, 0.5995, 0.3622**, and if you desaturate by 10%, it is **33.0531, 0.5434, 0.3773**.

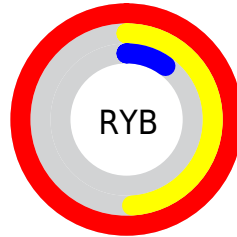
Distribution



Red (100%)

Green (37%)

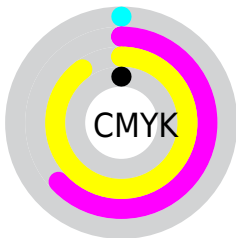
Blue (10%)



Red (100%)

Yellow (49%)

Blue (10%)

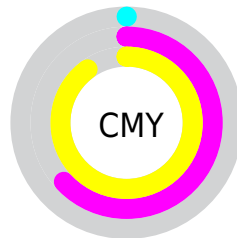


Cyan (0%)

Magenta (63%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3356, 0.5753, 0.3716 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 29.3356, 0.5753, 0.3716 by changing the saturation by 10% instead.


 29.3356, 0.5753,
0.3716


 29.3356, 0.5753,
0.3716

298.7951, 0.4444,
0.3696


 19.3348, 0.6029,
0.3644


 58.6099, 0.5306,
0.3766

 11.9125, 0.6363,
0.3524


 78.6522, 0.5127,
0.3767


 6.6841, 0.6706,
0.3294


 102.8104, 0.4972,
0.3761

 3.2653, 0.7083,
0.2917

 131.4691, 0.4838,
0.3751

 1.2718, 0.7633,
0.2367

 165.0125, 0.4720,
0.3738

 0.1192, 0.9366,
0.0634

 203.8250, 0.4617,


 0.0000, 1.0000,


0.3725


0.0000


 248.2911, 0.4525,
0.3711

 0.0000, 0.0000,
0.0000


 29.3356, 0.5753,
0.3716

 29.3356, 0.5753,
0.3716


 26.4919, 0.5995,
0.3622

 33.0531, 0.5434,
0.3773

 37.6724, 0.5068,
0.3782

 43.2555, 0.4693,
0.3750

 49.8567, 0.4338,
0.3690

 57.5259, 0.4018,
0.3615

66.3096, 0.3739,
0.3532

76.2513, 0.3500,
0.3448

87.3921, 0.3299,
0.3367

99.7710, 0.3130,
0.3291

Harmonies

Analogous

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



29.3356, 0.5463, 0.2934



29.3356, 0.5753, 0.3716



29.3356, 0.5154, 0.4624

Triad

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



29.3356, 0.5753, 0.3716



29.3356, 0.1854, 0.4788



29.3356, 0.1744, 0.1448

Complementary

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



29.3356, 0.5753, 0.3716



42.5615, 0.2007, 0.2371

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.



29.3356, 0.1205, 0.1500



29.3356, 0.5753, 0.3716



29.3356, 0.1207, 0.3026

Square

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



29.3356, 0.5753, 0.3716



29.3356, 0.2928, 0.5944



29.3356, 0.1031, 0.1943



29.3356, 0.2766, 0.1698

Rectangle

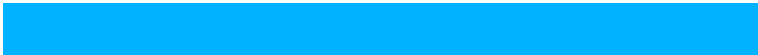
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.3356, 0.5753, 0.3716



29.3356, 0.4481, 0.5282



29.3356, 0.1031, 0.1943



29.3356, 0.1517, 0.1431

Sweetspot

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



29.3373, 0.5753, 0.3716



69.3390, 0.3659, 0.3505



25.6674, 0.3991, 0.2014



14.1452, 0.3745, 0.3534



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.



29.3373, 0.5753, 0.3716



26.4940, 0.5995, 0.3622



65.0747, 0.4569, 0.4698



18.8749, 0.3287, 0.3362



14.0701, 0.5966, 0.3645



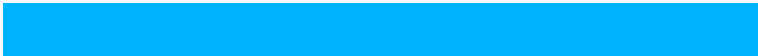
1.5514, 0.5745, 0.3820

Inverse Universe

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



42.5615, 0.2007, 0.2371



39.2717, 0.1961, 0.2260



12.4433, 0.1621, 0.0962



19.5076, 0.2980, 0.3217



20.7943, 0.1967, 0.2279



2.2162, 0.2002, 0.2408

Previews

White Background



This preview shows how the Yxy color 29.3356, 0.5753, 0.3716 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 29.3356, 0.5753, 0.3716 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 29.3356, 0.5753, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 29.3356, 0.5753, 0.3716.



This preview shows how white text looks on a background with the Yxy color 29.3356, 0.5753, 0.3716.

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

29.3356, 0.5753, 0.3716

Protanopia

29.4333, 0.4282, 0.4724

Deuteranopia

29.3210, 0.4721, 0.4634



Tritanopia

29.3986, 0.5196, 0.3253

Trichromacy



Original Color

29.3356, 0.5753, 0.3716

Protanomaly

27.5596, 0.4887, 0.4304

Deuteranomaly

28.1827, 0.5166, 0.4247

Tritanomaly

29.1844, 0.5469, 0.3463

Monochromacy



Original Color

29.3356, 0.5753, 0.3716

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4668, 0.4206, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3356, 0.5753, 0.3716 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, 94, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 25)  
}
```

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, 94, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 25) }
```

Border

The CSS property to change the border of an element to Yxy 29.3356, 0.5753, 0.3716 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, 94, 25) }
```

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

```
.border{ border-color:rgb(255, 94, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3356, 0.5753, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 25) }
```

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

```
.background{ background-color: rgb(255, 94,  
25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor