

Converting Colors

$Y_{xy}(29.3159, 0.5771, 0.3729)$

Have a look what the booklet for
Yxy(29.3159, 0.5771, 0.3729)
contains.

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Color

Yxy(29.3159, 0.5771, 0.3729)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E14
RGB	255, 94, 20
RGB Percent	100%, 37%, 8%
CMY	0.0000, 0.6313, 0.9214
CMYK	0.00, 0.63, 0.92, 0.00
HSL	19°, 100%, 54%
HSV	19°, 92%, 100%
XYZ	45.3693, 29.3159, 3.9308
YIQ	133.7030, 119.7100, 11.1180

Conversions

Conversions Part 2

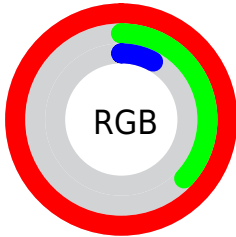
Format	Color
R_{YB}	255, 128, 20
Decimal	16735764
CIE Lab	61.06, 58.61, 66.76
CIE LCh	61, 88.837, 48.721
Yxy	29.3159, 0.5771, 0.3729
Android (android.graphics.Color)	4294925844 (0xFFFF5E14)
YUV	133.7030, -56.0556, 106.3775
Hunter-Lab	54.1442, 54.8191, 33.5965

Details

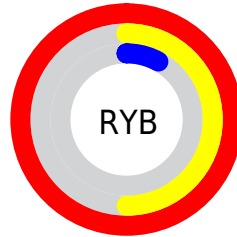
The Yxy color **29.3159, 0.5771, 0.3729** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **40.4287, 0.1983, 0.2299**, and the grayscale version is **23.9054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5945, 0.4882, 0.3982**, and **11.9065, 0.6223, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **27.0381, 0.5959, 0.3651**, and if you desaturate by 10%, it is **32.9278, 0.5469, 0.3794**.

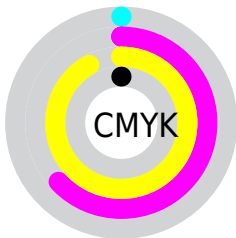
Distribution



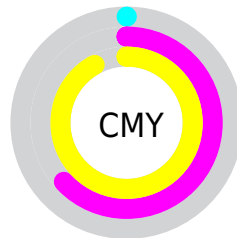
- Red (100%)
- Green (37%)
- Blue (8%)



- Red (100%)
- Yellow (50%)
- Blue (8%)



- Cyan (0%)
- Magenta (63%)
- Yellow (92%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3159, 0.5771, 0.3729 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 29.3159, 0.5771, 0.3729 by changing the saturation by 10% instead.


 29.3159, 0.5771,
0.3729


 29.3159, 0.5771,
0.3729


298.7026, 0.4459,
0.3710


 19.3199, 0.6045,
0.3655


 58.5786, 0.5325,
0.3781


 11.9017, 0.6381,
0.3536


 78.6141, 0.5146,
0.3783


 6.6768, 0.6705,
0.3295


 102.7650, 0.4991,
0.3776

 3.2608, 0.7082,
0.2918

 131.4155, 0.4856,
0.3766

 1.2694, 0.7632,
0.2368

 164.9501, 0.4738,
0.3753

 0.1173, 0.9373,
0.0627

 203.7533, 0.4633,


 0.0000, 1.0000,


0.3739


0.0000


 248.2093, 0.4541,
0.3724


 0.0000, 0.0000,
0.0000

 29.3159, 0.5771,
0.3729


 29.3159, 0.5771,
0.3729

 27.0381, 0.5959,
0.3651

 32.9278, 0.5469,
0.3794

 37.4036, 0.5116,
0.3810

 42.8036, 0.4748,
0.3783

 49.1803, 0.4393,
0.3724

 56.5817, 0.4070,
0.3647

65.0525, 0.3786,
0.3561

74.6346, 0.3542,
0.3473

85.3675, 0.3335,
0.3387

97.2886, 0.3161,
0.3307

Harmonies

Analogous

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



29.3159, 0.5506, 0.2942



29.3159, 0.5771, 0.3729



29.3159, 0.5147, 0.4647

Triad

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



29.3159, 0.5771, 0.3729



29.3159, 0.1820, 0.4770



29.3159, 0.1748, 0.1437

Complementary

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



29.3159, 0.5771, 0.3729



40.4287, 0.1983, 0.2299

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.



29.3159, 0.1198, 0.1481



29.3159, 0.5771, 0.3729



29.3159, 0.1182, 0.2988

Square

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



29.3159, 0.5771, 0.3729



29.3159, 0.2895, 0.5971



29.3159, 0.1016, 0.1914



29.3159, 0.2788, 0.1693

Rectangle

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



29.3159, 0.5771, 0.3729



29.3159, 0.4461, 0.5314



29.3159, 0.1016, 0.1914



29.3159, 0.1517, 0.1416

Sweetspot

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



29.3176, 0.5771, 0.3729



68.8842, 0.3681, 0.3524



25.2437, 0.4071, 0.2047



13.8905, 0.3791, 0.3562



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.



29.3176, 0.5771, 0.3729



27.0383, 0.5959, 0.3651



66.4258, 0.4551, 0.4729



18.9201, 0.3286, 0.3365



14.3625, 0.5929, 0.3674



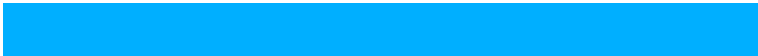
1.5844, 0.5708, 0.3849

Inverse Universe

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



40.4287, 0.1983, 0.2299



37.7714, 0.1946, 0.2206



11.3871, 0.1596, 0.0893



19.4601, 0.2980, 0.3213



20.0161, 0.1952, 0.2225



2.1450, 0.1989, 0.2361

Previews

White Background



This preview shows how the Yxy color 29.3159, 0.5771, 0.3729 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 29.3159, 0.5771, 0.3729 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 29.3159, 0.5771, 0.3729

Background



This preview shows how black text looks on a background with the Yxy color 29.3159, 0.5771, 0.3729.



This preview shows how white text looks on a background with the Yxy color 29.3159, 0.5771, 0.3729.

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

29.3159, 0.5771, 0.3729

Protanopia

29.4023, 0.4305, 0.4758

Deuteranopia

29.1953, 0.4711, 0.4642



Tritanopia

29.3805, 0.5208, 0.3261

Trichromacy



Original Color

29.3159, 0.5771, 0.3729

Protanomaly

27.5328, 0.4911, 0.4330

Deuteranomaly

28.0301, 0.5162, 0.4258

Tritanomaly

29.1474, 0.5498, 0.3484

Monochromacy



Original Color

29.3159, 0.5771, 0.3729

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4489, 0.4219, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3159, 0.5771, 0.3729 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, 20)` looks like.

```
.text, #text, p{  
  color:rgb(255, 94, 20)  
}
```

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, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 20) }
```

Border

The CSS property to change the border of an element to Yxy 29.3159, 0.5771, 0.3729 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, 20) }
```

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

```
.border{ border-color:rgb(255, 94, 20) }
```

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, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
20) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 29.3159, 0.5771, 0.3729$ 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, 20) }
```

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

```
.background{ background-color: rgb(255, 94,  
20) }
```

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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