

Converting Colors

$Yxy(29.0183, 0.5689, 0.3632)$

Have a look what the booklet for
Yxy(29.0183, 0.5689, 0.3632)
contains.

Yxy(29.0815, 0.5688, 0.3636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.0815, 0.5688, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	FF5C2A
RGB	255, 92, 42
RGB Percent	100%, 36%, 16%
CMY	0.0000, 0.6393, 0.8353
CMYK	0.00, 0.64, 0.84, 0.00
HSL	14°, 100%, 58%
HSV	14°, 84%, 100%
XYZ	45.4938, 29.0815, 5.4068
YIQ	135.0370, 113.1980, 19.0060

Conversions

Conversions Part 2

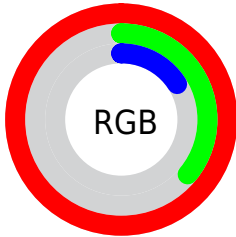
Format	Color
R _Y B	255, 107, 42
Decimal	16735274
CIE Lab	60.85, 59.85, 58.99
CIE LCh	61, 84.040, 44.586
Yxy	29.0815, 0.5688, 0.3636
Android (android.graphics.Color)	4294925354 (0xFFFF5C2A)
YUV	135.0370, -45.8672, 105.2076
Hunter-Lab	53.9273, 56.2125, 31.8046

Details

The Yxy color **29.0815, 0.5688, 0.3636** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **51.3915, 0.2099, 0.2641**, and the grayscale version is **24.3794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2301, 0.4766, 0.3829**, and **11.8259, 0.6257, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **25.9931, 0.5992, 0.3565**, and if you desaturate by 10%, it is **33.1484, 0.5310, 0.3666**.

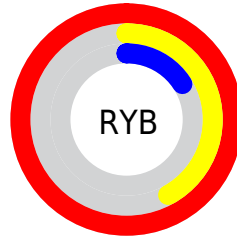
Distribution



Red (100%)

Green (36%)

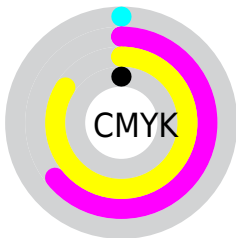
Blue (16%)



Red (100%)

Yellow (42%)

Blue (16%)

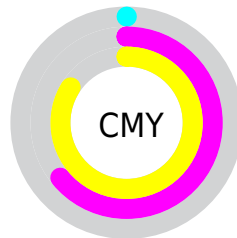


Cyan (0%)

Magenta (64%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0815, 0.5688, 0.3636 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 29.0815, 0.5688, 0.3636 by changing the saturation by 10% instead.

 29.0815, 0.5688,
0.3636


 29.0815, 0.5688,
0.3636


297.5993, 0.4385,
0.3630

 19.1425, 0.5977,
0.3570


 58.2065, 0.5232,
0.3683

 11.7733, 0.6316,
0.3450


 78.1614, 0.5054,
0.3686


 6.5895, 0.6743,
0.3257


 102.2236, 0.4901,
0.3682

 3.2067, 0.7127,
0.2873

 130.7776, 0.4769,
0.3674

 1.2406, 0.7685,
0.2315

 164.2078, 0.4653,
0.3664

 0.0945, 0.9493,
0.0507

 202.8985, 0.4553,

 0.0000, 1.0000,

0.3653

0.0000

247.2342, 0.4464,
0.3641

■ 0.0000, 0.0000,
0.0000

■ 29.0815, 0.5688,
0.3636

■ 29.0815, 0.5688,
0.3636

■ 25.9931, 0.5992,
0.3565

■ 33.1484, 0.5310,
0.3666


■ 24.4730, 0.6140,
0.3507

■ 38.2863, 0.4905,
0.3658


■ 44.5623, 0.4512,
0.3621

■ 52.0412, 0.4156,
0.3566

■ 60.7827, 0.3847,
0.3502

 70.8425, 0.3585,
0.3436

 82.2726, 0.3366,
0.3371

 95.1226, 0.3184,
0.3310

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



29.0815, 0.5273, 0.2872



29.0815, 0.5688, 0.3636



29.0815, 0.5207, 0.4505

Triad

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



29.0815, 0.5688, 0.3636



29.0815, 0.2013, 0.4913



29.0815, 0.1703, 0.1488

Complementary

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



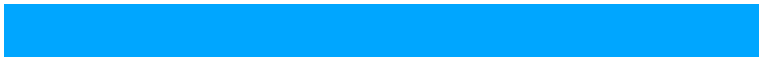
29.0815, 0.5688, 0.3636



51.3915, 0.2099, 0.2641

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.



29.0815, 0.1218, 0.1581



29.0815, 0.5688, 0.3636



29.0815, 0.1314, 0.3219

Square

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



29.0815, 0.5688, 0.3636



29.0815, 0.3091, 0.5858



29.0815, 0.1087, 0.2079



29.0815, 0.2641, 0.1699

Rectangle

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



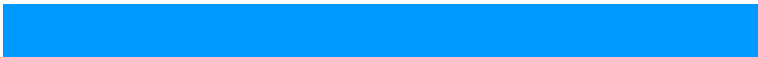
29.0815, 0.5688, 0.3636



29.0815, 0.4588, 0.5134



29.0815, 0.1087, 0.2079



29.0815, 0.1497, 0.1483

Sweetspot

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



29.0774, 0.5688, 0.3636



69.2741, 0.3621, 0.3446



27.3391, 0.3771, 0.1940



14.0532, 0.3710, 0.3469



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.



29.0774, 0.5688, 0.3636



24.4730, 0.6140, 0.3507



61.9082, 0.4596, 0.4597



18.6785, 0.3289, 0.3346



12.9753, 0.6113, 0.3528



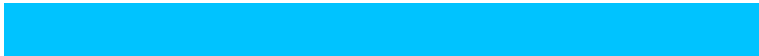
1.4220, 0.5899, 0.3698

Inverse Universe

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



51.3915, 0.2099, 0.2641



46.3305, 0.2027, 0.2498



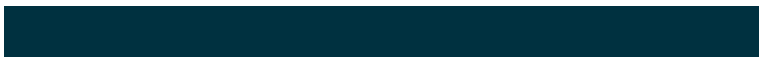
16.5997, 0.1716, 0.1215



19.7165, 0.2980, 0.3233



24.4491, 0.2031, 0.2512



2.5468, 0.2059, 0.2611

Previews

White Background



This preview shows how the Yxy color 29.0815, 0.5688, 0.3636 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 29.0815, 0.5688, 0.3636 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 29.0815, 0.5688, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 29.0815, 0.5688, 0.3636.



This preview shows how white text looks on a background with the Yxy color 29.0815, 0.5688, 0.3636.

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

29.0815, 0.5688, 0.3636

Protanopia

29.0455, 0.4169, 0.4577

Deuteranopia

29.2532, 0.4662, 0.4581



Tritanopia

29.0298, 0.5234, 0.3253

Trichromacy



Original Color

29.0815, 0.5688, 0.3636

Protanomaly

27.2881, 0.4783, 0.4182

Deuteranomaly

28.1035, 0.5095, 0.4191

Tritanomaly

28.8992, 0.5445, 0.3417

Monochromacy



Original Color

29.0815, 0.5688, 0.3636

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7169, 0.4129, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0815, 0.5688, 0.3636 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, 92, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 42)  
}
```

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, 92, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 42) }
```

Border

The CSS property to change the border of an element to Yxy 29.0815, 0.5688, 0.3636 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, 92, 42) }
```

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

```
.border{ border-color:rgb(255, 92, 42) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0815, 0.5688, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 42) }
```

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

```
.background{ background-color: rgb(255, 92,  
42) }
```

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