

Converting Colors

$Y_{xy}(29.4230, 0.5702, 0.3682)$

Have a look what the booklet for
Yxy(29.4230, 0.5702, 0.3682)
contains.

Yxy(29.3928, 0.5703, 0.3679)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3928, 0.5703, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	FF5E24
RGB	255, 94, 36
RGB Percent	100%, 37%, 14%
CMY	0.0000, 0.6314, 0.8590
CMYK	0.00, 0.63, 0.86, 0.00
HSL	16°, 100%, 57%
HSV	16°, 86%, 100%
XYZ	45.5632, 29.3928, 4.9374
YIQ	135.5270, 114.5740, 16.0940

Conversions

Conversions Part 2

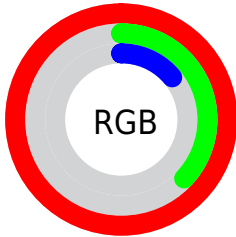
Format	Color
R_{YB}	255, 115, 36
Decimal	16735780
CIE Lab	61.13, 58.87, 61.66
CIE LCh	61, 85.251, 46.323
Yxy	29.3928, 0.5703, 0.3679
Android (android.graphics.Color)	4294925860 (0xFFFF5E24)
YUV	135.5270, -49.0668, 104.7778
Hunter-Lab	54.2151, 55.1377, 32.5510

Details

The Yxy color **29.3928, 0.5703, 0.3679** 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 **47.5066, 0.2061, 0.2527**, and the grayscale version is **24.5872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7773, 0.4791, 0.3890**, and **12.0349, 0.6225, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **26.3503, 0.5983, 0.3597**, and if you desaturate by 10%, it is **33.3552, 0.5347, 0.3718**.

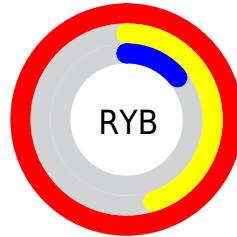
Distribution



Red (100%)

Green (37%)

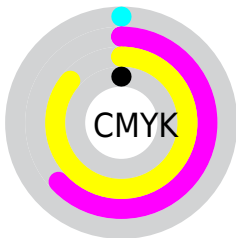
Blue (14%)



Red (100%)

Yellow (45%)

Blue (14%)

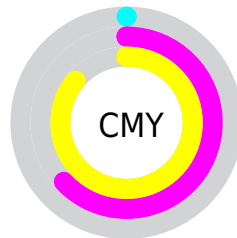


Cyan (0%)

Magenta (63%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (63%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3928, 0.5703, 0.3679 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 29.3928, 0.5703, 0.3679 by changing the saturation by 10% instead.


 29.3928, 0.5703,
0.3679


 29.3928, 0.5703,
0.3679


299.0638, 0.4404,
0.3661

 19.3782, 0.5986,
0.3613


 58.7006, 0.5253,
0.3724

 11.9439, 0.6317,
0.3494


 78.7625, 0.5075,
0.3725


 6.7055, 0.6710,
0.3290

 102.9424, 0.4922,
0.3720

 3.2786, 0.7087,
0.2913

 131.6245, 0.4790,
0.3710

 1.2788, 0.7636,
0.2364

 165.1933, 0.4674,
0.3699

 0.1247, 0.9344,
0.0656

 204.0332, 0.4573,

 0.0000, 1.0000,

0.3686

0.0000

248.5286, 0.4483,
0.3673

■ 0.0000, 0.0000,
0.0000

■ 29.3928, 0.5703,
0.3679

■ 29.3928, 0.5703,
0.3679

■ 26.3503, 0.5983,
0.3597

■ 33.3552, 0.5347,
0.3718

■ 25.3428, 0.6076,
0.3558

■ 38.3112, 0.4957,
0.3714

■ 44.3262, 0.4573,
0.3676

■ 51.4595, 0.4218,
0.3617

■ 59.7657, 0.3906,
0.3547

69.2958, 0.3638,
0.3472

80.0975, 0.3412,
0.3399

92.2161, 0.3224,
0.3329

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.



29.3928, 0.5348, 0.2908



29.3928, 0.5703, 0.3679



29.3928, 0.5173, 0.4561

Triad

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



29.3928, 0.5703, 0.3679



29.3928, 0.1946, 0.4837



29.3928, 0.1733, 0.1479

Complementary

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



29.3928, 0.5703, 0.3679



47.5066, 0.2061, 0.2527

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.



29.3928, 0.1223, 0.1552



29.3928, 0.5703, 0.3679



29.3928, 0.1274, 0.3128

Square

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



29.3928, 0.5703, 0.3679



29.3928, 0.3018, 0.5875



29.3928, 0.1071, 0.2023



29.3928, 0.2705, 0.1708

Rectangle

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



29.3928, 0.5703, 0.3679



29.3928, 0.4533, 0.5197



29.3928, 0.1071, 0.2023



29.3928, 0.1517, 0.1468

Sweetspot

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



29.3928, 0.5703, 0.3679



69.1933, 0.3640, 0.3473



26.7005, 0.3841, 0.1960



14.0743, 0.3728, 0.3499



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.



29.3928, 0.5703, 0.3679



25.3428, 0.6076, 0.3558



62.8066, 0.4593, 0.4632



18.7698, 0.3288, 0.3354



13.4486, 0.6048, 0.3580



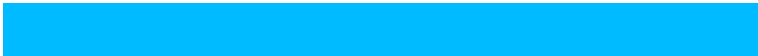
1.4792, 0.5829, 0.3754

Inverse Universe

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



47.5066, 0.2061, 0.2527



42.9422, 0.1997, 0.2388



15.0283, 0.1681, 0.1123



19.6190, 0.2980, 0.3226



22.6959, 0.2001, 0.2404



2.3889, 0.2033, 0.2517

Previews

White Background



This preview shows how the Yxy color 29.3928, 0.5703, 0.3679 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 29.3928, 0.5703, 0.3679 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 29.3928, 0.5703, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 29.3928, 0.5703, 0.3679.



This preview shows how white text looks on a background with the Yxy color 29.3928, 0.5703, 0.3679.

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

29.3928, 0.5703, 0.3679

Protanopia

29.4094, 0.4210, 0.4640

Deuteranopia

29.3210, 0.4721, 0.4634



Tritanopia

29.3986, 0.5196, 0.3253

Trichromacy



Original Color

29.3928, 0.5703, 0.3679

Protanomaly

27.6336, 0.4823, 0.4234

Deuteranomaly

28.1920, 0.5158, 0.4239

Tritanomaly

29.2366, 0.5428, 0.3434

Monochromacy



Original Color

29.3928, 0.5703, 0.3679

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1786, 0.4128, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3928, 0.5703, 0.3679 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, 36)` looks like.

```
.text, #text, p{  
  color:rgb(255, 94, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 36) }
```

Border

The CSS property to change the border of an element to Yxy 29.3928, 0.5703, 0.3679 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, 36) }
```

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

```
.border{ border-color:rgb(255, 94, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3928, 0.5703, 0.3679 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, 36) }
```

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

```
.background{ background-color: rgb(255, 94,  
36) }
```

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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