

Converting Colors

$Yxy(28.8216, 0.5741, 0.3656)$

Have a look what the booklet for
Yxy(28.8216, 0.5741, 0.3656)
contains.

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Color

$\text{Yxy}(28.8635, 0.5738, 0.3657)$

Conversions

Conversions Part 1

Format	Color
Hex	FF5B23
RGB	255, 91, 35
RGB Percent	100%, 36%, 14%
CMY	0.0000, 0.6432, 0.8627
CMYK	0.00, 0.64, 0.86, 0.00
HSL	15°, 100%, 57%
HSV	15°, 86%, 100%
XYZ	45.2881, 28.8635, 4.7751
YIQ	133.6520, 115.7200, 17.3520

Conversions

Conversions Part 2

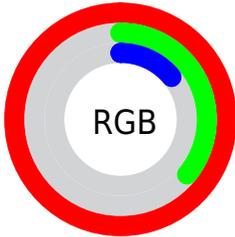
Format	Color
R_{YB}	255, 110, 35
Decimal	16735011
CIE _{Lab}	60.66, 60.09, 61.64
CIE _{LCh}	61, 86.088, 45.730
Yxy	28.8635, 0.5738, 0.3657
Android (android.graphics.Color)	4294925091 (0xFFFF5B23)
YUV	133.6520, -48.6354, 106.4222
Hunter-Lab	53.7248, 56.4511, 32.3376

Details

The Yxy color **28.8635, 0.5738, 0.3657** 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 **48.4314, 0.2067, 0.2556**, and the grayscale version is **23.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8156, 0.4824, 0.3869**, and **11.7310, 0.6272, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **25.9137, 0.6015, 0.3574**, and if you desaturate by 10%, it is **32.7449, 0.5381, 0.3698**.

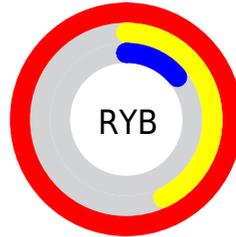
Distribution



Red (100%)

Green (36%)

Blue (14%)



Red (100%)

Yellow (43%)

Blue (14%)

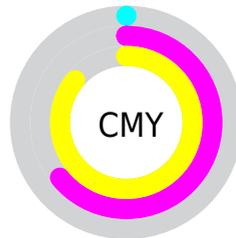


Cyan (0%)

Magenta (64%)

Yellow (86%)

Black (0%)



Cyan (0%)

Magenta (64%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8635, 0.5738, 0.3657 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 28.8635, 0.5738, 0.3657 by changing the saturation by 10% instead.

 28.8635, 0.5738,
0.3657

 28.8635, 0.5738,
0.3657

296.5704, 0.4419,
0.3653

 18.9776, 0.6025,
0.3586

 57.8601, 0.5281,
0.3709

 11.6541, 0.6364,
0.3461

 77.7397, 0.5100,
0.3712

 6.5086, 0.6756,
0.3244

 101.7192, 0.4945,
0.3708

 3.1567, 0.7142,
0.2858

 130.1831, 0.4811,
0.3700

 1.2141, 0.7705,
0.2295

 163.5157, 0.4693,
0.3690

 0.0732, 0.9598,
0.0402

 202.1016, 0.4590,

 0.0000, 1.0000,

0.3678

0.0000

246.3250, 0.4500,
0.3666

■ 0.0000, 0.0000,
0.0000

■ 28.8635, 0.5738,
0.3657

■ 28.8635, 0.5738,
0.3657

■ 25.9137, 0.6015,
0.3574

■ 32.7449, 0.5381,
0.3698

■ 25.0285, 0.6099,
0.3540

■ 37.6370, 0.4987,
0.3697

■ 43.6074, 0.4597,
0.3663

■ 50.7178, 0.4237,
0.3607

■ 59.0251, 0.3920,
0.3539

68.5822, 0.3649,
0.3468

79.4387, 0.3421,
0.3397

91.6417, 0.3230,
0.3330

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.



28.8635, 0.5363, 0.2884



28.8635, 0.5738, 0.3657



28.8635, 0.5207, 0.4545

Triad

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



28.8635, 0.5738, 0.3657



28.8635, 0.1945, 0.4899



28.8635, 0.1702, 0.1459

Complementary

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



28.8635, 0.5738, 0.3657



48.4314, 0.2067, 0.2556

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.



28.8635, 0.1197, 0.1537



28.8635, 0.5738, 0.3657



28.8635, 0.1260, 0.3151

Square

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



28.8635, 0.5738, 0.3657



28.8635, 0.3030, 0.5924



28.8635, 0.1051, 0.2019



28.8635, 0.2673, 0.1684

Rectangle

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



28.8635, 0.5738, 0.3657



28.8635, 0.4561, 0.5193



28.8635, 0.1051, 0.2019



28.8635, 0.1488, 0.1449

Sweetspot

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



28.8629, 0.5738, 0.3657



68.8582, 0.3642, 0.3466



26.6330, 0.3845, 0.1959



13.9963, 0.3731, 0.3491



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.



28.8629, 0.5738, 0.3657



25.0285, 0.6099, 0.3540



62.6912, 0.4597, 0.4633



18.7382, 0.3288, 0.3351



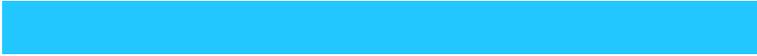
13.2780, 0.6071, 0.3562



1.4589, 0.5853, 0.3734

Inverse Universe

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



48.4314, 0.2067, 0.2556



44.0926, 0.2007, 0.2426



14.8912, 0.1677, 0.1115



19.6527, 0.2980, 0.3228



23.2914, 0.2012, 0.2441



2.4427, 0.2042, 0.2550

Previews

White Background



This preview shows how the Yxy color 28.8635, 0.5738, 0.3657 looks on a white background.

Color Contrast Check

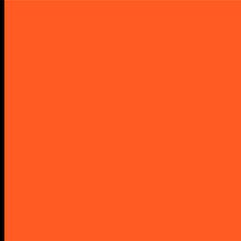
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8635, 0.5738, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

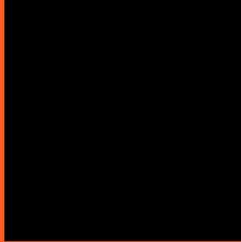
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8635, 0.5738, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 28.8635, 0.5738, 0.3657.



This preview shows how white text looks on a background with the Yxy color 28.8635, 0.5738, 0.3657.

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

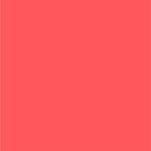
28.8635, 0.5738, 0.3657

Protanopia

28.9817, 0.4215, 0.4645

Deuteranopia

28.7795, 0.4714, 0.4639



Tritanopia

28.8491, 0.5253, 0.3254

Trichromacy



Original Color

28.8635, 0.5738, 0.3657

Protanomaly

27.2309, 0.4832, 0.4235

Deuteranomaly

27.6498, 0.5154, 0.4240

Tritanomaly

28.6944, 0.5484, 0.3431

Monochromacy



Original Color

28.8635, 0.5738, 0.3657

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.3037, 0.4162, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8635, 0.5738, 0.3657 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, 91, 35)` looks like.

```
.text, #text, p{  
  color:rgb(255, 91, 35)  
}
```

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, 91, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 35) }
```

Border

The CSS property to change the border of an element to Yxy 28.8635, 0.5738, 0.3657 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, 91, 35) }
```

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

```
.border{ border-color:rgb(255, 91, 35) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
35) }
```

Background

The CSS property to change the background color of an element to Yxy 28.8635, 0.5738, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 35) }
```

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

```
.background{ background-color: rgb(255, 91,  
35) }
```

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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