

Converting Colors

$Y_{xy}(28.0032, 0.5837, 0.3655)$

Have a look what the booklet for
Yxy(28.0032, 0.5837, 0.3655)
contains.

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Color

Yxy(27.9815, 0.5838, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	FF5618
RGB	255, 86, 24
RGB Percent	100%, 34%, 9%
CMY	0.0000, 0.6627, 0.9059
CMYK	0.00, 0.66, 0.91, 0.00
HSL	16°, 100%, 55%
HSV	16°, 91%, 100%
XYZ	44.7306, 27.9815, 3.9076
YIQ	129.4630, 120.6260, 16.5460

Conversions

Conversions Part 2

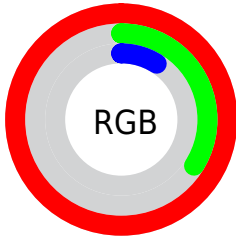
Format	Color
RYB	255, 109, 24
Decimal	16733720
CIELab	59.87, 61.88, 64.84
CIELCh	60, 89.634, 46.338
Yxy	27.9815, 0.5838, 0.3652
Android (android.graphics.Color)	4294923800 (0xFFFF5618)
YUV	129.4630, -51.9933, 110.0959
Hunter-Lab	52.8975, 58.3702, 32.6485

Details

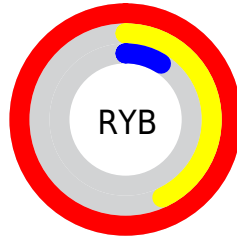
The Yxy color **27.9815, 0.5838, 0.3652** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **45.5424, 0.2033, 0.2469**, and the grayscale version is **22.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4550, 0.4931, 0.3898**, and **11.1894, 0.6338, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **25.4487, 0.6068, 0.3564**, and if you desaturate by 10%, it is **31.5211, 0.5513, 0.3712**.

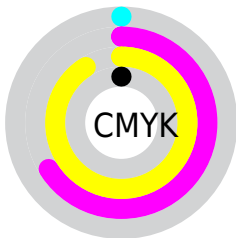
Distribution



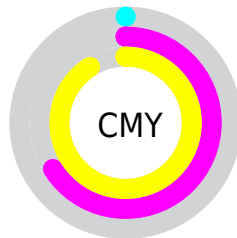
- Red (100%)
- Green (34%)
- Blue (9%)



- Red (100%)
- Yellow (43%)
- Blue (9%)



- Cyan (0%)
- Magenta (66%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9815, 0.5838, 0.3652 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 27.9815, 0.5838, 0.3652 by changing the saturation by 10% instead.


 27.9815, 0.5838,
0.3652


 27.9815, 0.5838,
0.3652


292.3785, 0.4478,
0.3673


 18.3117, 0.6126,
0.3567


 56.4549, 0.5372,
0.3719

 11.1740, 0.6482,
0.3434


 76.0273, 0.5186,
0.3726


 6.1840, 0.6827,
0.3173

 99.6694, 0.5026,
0.3725

 2.9573, 0.7229,
0.2771

 127.7655, 0.4886,
0.3718

 1.1095, 0.7813,
0.2187

 160.7001, 0.4764,
0.3708


 0.0000, 1.0000,
0.0000


 198.8575, 0.4657,


 0.0000, 0.0000,


0.3697


0.0000


 242.6222, 0.4562,
0.3685


 27.9815, 0.5838,
0.3652


 27.9815, 0.5838,
0.3652

 25.4487, 0.6068,
0.3564

 31.5211, 0.5513,
0.3712

 36.0134, 0.5136,
0.3727

 41.5280, 0.4746,
0.3703

 48.1261, 0.4377,
0.3652

 55.8637, 0.4045,
0.3584

64.7926, 0.3757,
0.3510

74.9615, 0.3513,
0.3435

86.4163, 0.3308,
0.3362

99.2003, 0.3136,
0.3294

Harmonies

Analogous

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



27.9815, 0.5491, 0.2867



27.9815, 0.5838, 0.3652



27.9815, 0.5244, 0.4571

Triad

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



27.9815, 0.5838, 0.3652



27.9815, 0.1861, 0.4959



27.9815, 0.1662, 0.1399

Complementary

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



27.9815, 0.5838, 0.3652



45.5424, 0.2033, 0.2469

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.



27.9815, 0.1142, 0.1468



27.9815, 0.5838, 0.3652



27.9815, 0.1179, 0.3098

Square

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



27.9815, 0.5838, 0.3652



27.9815, 0.2970, 0.6064



27.9815, 0.0984, 0.1942



27.9815, 0.2674, 0.1635

Rectangle

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



27.9815, 0.5838, 0.3652



27.9815, 0.4557, 0.5257



27.9815, 0.0984, 0.1942



27.9815, 0.1441, 0.1387

Sweetspot

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



27.9832, 0.5838, 0.3652



68.2999, 0.3665, 0.3483



25.7797, 0.3942, 0.1983



13.9045, 0.3753, 0.3509



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.



27.9832, 0.5838, 0.3652



25.4506, 0.6068, 0.3564



63.1416, 0.4608, 0.4670



18.7803, 0.3288, 0.3354



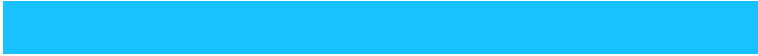
13.5070, 0.6040, 0.3586



1.4861, 0.5821, 0.3760

Inverse Universe

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



45.5424, 0.2033, 0.2469



42.5642, 0.1993, 0.2375



12.8483, 0.1627, 0.0989



19.6079, 0.2980, 0.3225



22.5002, 0.1998, 0.2392



2.3712, 0.2030, 0.2506

Previews

White Background



This preview shows how the Yxy color 27.9815, 0.5838, 0.3652 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 27.9815, 0.5838, 0.3652 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 27.9815, 0.5838, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 27.9815, 0.5838, 0.3652.



This preview shows how white text looks on a background with the Yxy color 27.9815, 0.5838, 0.3652.

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

27.9815, 0.5838, 0.3652

Protanopia

28.0787, 0.4270, 0.4721

Deuteranopia

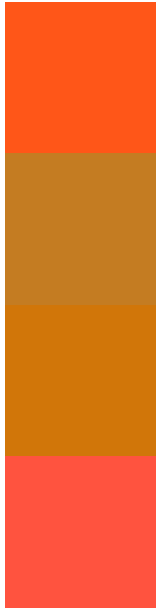
27.9586, 0.4720, 0.4634



Tritanopia

27.9665, 0.5361, 0.3264

Trichromacy



Original Color

27.9815, 0.5838, 0.3652

Protanomaly

26.2666, 0.4919, 0.4270

Deuteranomaly

26.5319, 0.5210, 0.4211

Tritanomaly

27.8054, 0.5603, 0.3445

Monochromacy



Original Color

27.9815, 0.5838, 0.3652

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6795, 0.4253, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9815, 0.5838, 0.3652 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, 86, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 24)  
}
```

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, 86, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 24) }
```

Border

The CSS property to change the border of an element to Yxy 27.9815, 0.5838, 0.3652 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, 86, 24) }
```

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

```
.border{ border-color:rgb(255, 86, 24) }
```

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

Here you see how a box with a 4 pixel rgb(255, 86, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9815, 0.5838, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 24) }
```

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

```
.background{ background-color: rgb(255, 86,  
24) }
```

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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