

Converting Colors

$Y_{xy}(28.6796, 0.5667, 0.3581)$

Have a look what the booklet for
Yxy(28.6796, 0.5667, 0.3581)
contains.

Yxy(28.6265, 0.5668, 0.3577)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6265, 0.5668, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	FF5931
RGB	255, 89, 49
RGB Percent	100%, 35%, 19%
CMY	0.0001, 0.6508, 0.8078
CMYK	0.00, 0.65, 0.81, 0.00
HSL	12°, 100%, 60%
HSV	12°, 81%, 100%
XYZ	45.3606, 28.6265, 6.0422
YIQ	134.0740, 111.7760, 22.7520

Conversions

Conversions Part 2

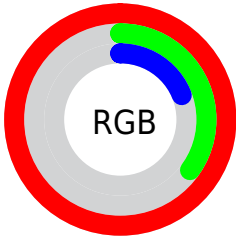
Format	Color
R _Y B	255, 99, 49
Decimal	16734513
CIE Lab	60.45, 61.21, 55.53
CIE LCh	60, 82.641, 42.213
Yxy	28.6265, 0.5668, 0.3577
Android (android.graphics.Color)	4294924593 (0xFFFF5931)
YUV	134.0740, -41.9415, 106.0521
Hunter-Lab	53.5037, 57.7013, 30.7570

Details

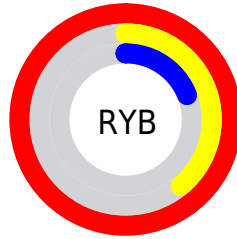
The Yxy color **28.6265, 0.5668, 0.3577** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **56.4507, 0.2145, 0.2778**, and the grayscale version is **24.0010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7186, 0.4729, 0.3757**, and **11.5599, 0.6299, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **25.5136, 0.6001, 0.3520**, and if you desaturate by 10%, it is **32.8182, 0.5264, 0.3598**.

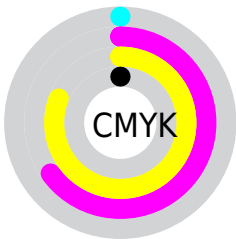
Distribution



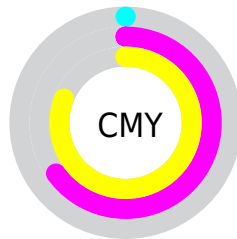
- Red (100%)
- Green (35%)
- Blue (19%)



- Red (100%)
- Yellow (39%)
- Blue (19%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)
- Black (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6265, 0.5668, 0.3577 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 28.6265, 0.5668, 0.3577 by changing the saturation by 10% instead.

 28.6265, 0.5668,
0.3577


 28.6265, 0.5668,
0.3577


295.4486, 0.4361,
0.3589

 18.7985, 0.5966,
0.3511


 57.4831, 0.5206,
0.3627


 11.5247, 0.6317,
0.3390


 77.2805, 0.5026,
0.3632


 6.4209, 0.6791,
0.3209


 101.1698, 0.4873,
0.3630

 3.1027, 0.7183,
0.2817

 129.5354, 0.4741,
0.3625

 1.1856, 0.7753,
0.2247

 162.7617, 0.4627,
0.3617

 0.0499, 0.9723,
0.0277

 201.2330, 0.4527,

 0.0000, 1.0000,

0.3608

0.0000

245.3339, 0.4439,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 28.6265, 0.5668,
0.3577

■ 28.6265, 0.5668,
0.3577

■ 25.5136, 0.6001,
0.3520

■ 32.8182, 0.5264,
0.3598


■ 23.4978, 0.6214,
0.3448


■ 38.1738, 0.4842,
0.3587

■ 44.7751, 0.4442,
0.3553

■ 52.6951, 0.4086,
0.3505

■ 62.0009, 0.3781,
0.3451

 72.7549, 0.3525,
0.3396

 85.0160, 0.3314,
0.3343

 98.8394, 0.3139,
0.3294

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



28.6265, 0.5175, 0.2821



28.6265, 0.5668, 0.3577



28.6265, 0.5254, 0.4430

Triad

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



28.6265, 0.5668, 0.3577



28.6265, 0.2102, 0.5014



28.6265, 0.1662, 0.1498

Complementary

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



28.6265, 0.5668, 0.3577



56.4507, 0.2145, 0.2778

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.



28.6265, 0.1210, 0.1617



28.6265, 0.5668, 0.3577



28.6265, 0.1367, 0.3343

Square

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



28.6265, 0.5668, 0.3577



28.6265, 0.3188, 0.5835



28.6265, 0.1106, 0.2156



28.6265, 0.2555, 0.1685

Rectangle

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



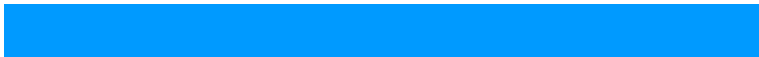
28.6265, 0.5668, 0.3577



28.6265, 0.4663, 0.5051



28.6265, 0.1106, 0.2156



28.6265, 0.1468, 0.1501

Sweetspot

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



28.6282, 0.5668, 0.3577



69.1403, 0.3602, 0.3414



28.4745, 0.3617, 0.1876



13.9788, 0.3693, 0.3434



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.



28.6282, 0.5668, 0.3577



24.0773, 0.6152, 0.3471



58.1985, 0.4651, 0.4500



18.5582, 0.3290, 0.3337



12.4420, 0.6190, 0.3467



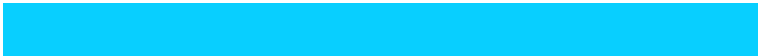
1.3541, 0.5987, 0.3628

Inverse Universe

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



56.4507, 0.2145, 0.2778



51.8651, 0.2076, 0.2663



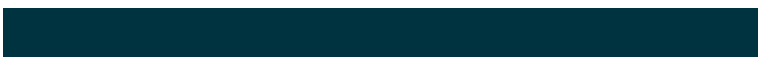
19.9602, 0.1780, 0.1401



19.8462, 0.2980, 0.3243



26.9131, 0.2070, 0.2653



2.7668, 0.2093, 0.2734

Previews

White Background



This preview shows how the Yxy color 28.6265, 0.5668, 0.3577 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 28.6265, 0.5668, 0.3577 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 28.6265, 0.5668, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 28.6265, 0.5668, 0.3577.



This preview shows how white text looks on a background with the Yxy color 28.6265, 0.5668, 0.3577.

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

28.6265, 0.5668, 0.3577

Protanopia

28.6208, 0.4090, 0.4479

Deuteranopia

28.7711, 0.4606, 0.4525



Tritanopia

28.6538, 0.5285, 0.3263

Trichromacy



Original Color

28.6265, 0.5668, 0.3577

Protanomaly

26.7188, 0.4732, 0.4093

Deuteranomaly

27.5229, 0.5060, 0.4123

Tritanomaly

28.5844, 0.5450, 0.3393

Monochromacy



Original Color

28.6265, 0.5668, 0.3577

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4011, 0.4097, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6265, 0.5668, 0.3577 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, 89, 49)` looks like.

```
.text, #text, p{  
  color:rgb(255, 89, 49)  
}
```

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, 89, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 49) }
```

Border

The CSS property to change the border of an element to Yxy 28.6265, 0.5668, 0.3577 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, 89, 49) }
```

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

```
.border{ border-color:rgb(255, 89, 49) }
```

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

Here you see how a box with a 4 pixel rgb(255, 89, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6265, 0.5668, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 49) }
```

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

```
.background{ background-color: rgb(255, 89,  
49) }
```

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