

Converting Colors

$Yxy(28.9585, 0.5354, 0.3663)$

Have a look what the booklet for
Yxy(28.9585, 0.5354, 0.3663)
contains.

Yxy(28.9147, 0.5356, 0.3660)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9147, 0.5356, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	F2673D
RGB	242, 103, 61
RGB Percent	95%, 40%, 24%
CMY	0.0510, 0.5961, 0.7606
CMYK	0.00, 0.57, 0.75, 0.05
HSL	14°, 87%, 59%
HSV	14°, 75%, 95%
XYZ	42.3134, 28.9147, 7.7738
YIQ	139.7730, 96.3260, 16.4060

Conversions

Conversions Part 2

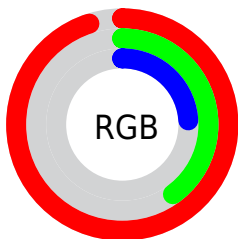
Format	Color
R _Y B	242, 116, 61
Decimal	15886141
CIE Lab	60.71, 51.15, 49.28
CIE LCh	61, 71.030, 43.933
Yxy	28.9147, 0.5356, 0.3660
Android (android.graphics.Color)	4294076221 (0xFFFF2673D)
YUV	139.7730, -38.8351, 89.6531
Hunter-Lab	53.7724, 46.3597, 29.0692

Details

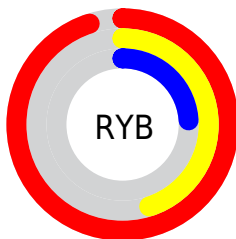
The Yxy color **28.9147, 0.5356, 0.3660** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **48.7432, 0.2161, 0.2727**, and the grayscale version is **26.2611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8614, 0.4532, 0.3770**, and **11.7218, 0.5977, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **25.4153, 0.5728, 0.3626**, and if you desaturate by 10%, it is **33.3571, 0.4952, 0.3656**.

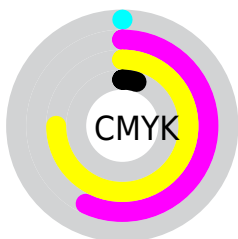
Distribution



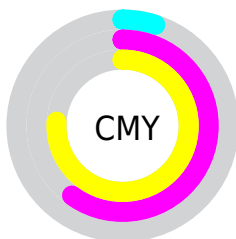
- Red (95%)
- Green (40%)
- Blue (24%)



- Red (95%)
- Yellow (45%)
- Blue (24%)



- Cyan (0%)
- Magenta (57%)
- Yellow (75%)
- Black (5%)





- Cyan (5%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9147, 0.5356, 0.3660 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 28.9147, 0.5356, 0.3660 by changing the saturation by 10% instead.

 28.9147, 0.5356,
0.3660


 28.9147, 0.5356,
0.3660

296.8123, 0.4191,
0.3587

 19.0163, 0.5635,
0.3628


 57.9415, 0.4935,
0.3669


 11.6821, 0.5974,
0.3554


 77.8388, 0.4775,
0.3661

 6.5276, 0.6434,
0.3432


 101.8377, 0.4639,
0.3650

 3.1685, 0.6877,
0.3123

 130.3228, 0.4523,
0.3638

 1.2203, 0.7412,
0.2588

 163.6784, 0.4423,
0.3625

 0.0782, 0.9478,
0.0522

 202.2889, 0.4335,

 0.0000, 1.0000,

0.3612

0.0000

246.5387, 0.4259,
0.3599

■ 0.0000, 0.0000,
0.0000

■ 28.9147, 0.5356,
0.3660

■ 28.9147, 0.5356,
0.3660

■ 25.4153, 0.5728,
0.3626

■ 33.3571, 0.4952,
0.3656

■ 22.7816, 0.6022,
0.3552


■ 38.8018, 0.4556,
0.3622


■ 21.7158, 0.6141,
0.3506


■ 45.3084, 0.4196,
0.3569


■ 52.9305, 0.3881,
0.3507

■ 61.7180, 0.3614,
0.3442

 71.7175, 0.3390,
0.3378

 82.9733, 0.3204,
0.3317

 95.5272, 0.3050,
0.3261

 97.6183, 0.3048,
0.3290

Harmonies

Analogous

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



28.9147, 0.4940, 0.2944



28.9147, 0.5356, 0.3660



28.9147, 0.5015, 0.4437

Triad

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



28.9147, 0.5356, 0.3660



28.9147, 0.2212, 0.4658



28.9147, 0.1862, 0.1684

Complementary

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



28.9147, 0.5356, 0.3660



48.7432, 0.2161, 0.2727

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.



28.9147, 0.1416, 0.1790



28.9147, 0.5356, 0.3660



28.9147, 0.1550, 0.3290

Square

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



28.9147, 0.5356, 0.3660



28.9147, 0.3189, 0.5444



28.9147, 0.1308, 0.2278



28.9147, 0.2697, 0.1871

Rectangle

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



28.9147, 0.5356, 0.3660



28.9147, 0.4505, 0.4955



28.9147, 0.1308, 0.2278



28.9147, 0.1673, 0.1684

Sweetspot

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



28.9163, 0.5356, 0.3660



72.4176, 0.3549, 0.3425



26.5242, 0.3647, 0.1972



14.8744, 0.3614, 0.3442



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.



28.9163, 0.5356, 0.3660



26.8806, 0.5902, 0.3590



56.3629, 0.4492, 0.4518



16.3533, 0.3287, 0.3345



11.8367, 0.6114, 0.3527



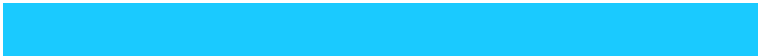
1.1316, 0.5863, 0.3726

Inverse Universe

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



48.7432, 0.2161, 0.2727



49.5822, 0.2068, 0.2593



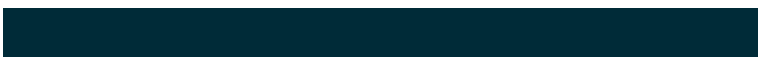
19.0656, 0.1840, 0.1475



17.2715, 0.2981, 0.3234



22.5064, 0.2035, 0.2524



2.0213, 0.2066, 0.2637

Previews

White Background



This preview shows how the Yxy color 28.9147, 0.5356, 0.3660 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 28.9147, 0.5356, 0.3660 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 28.9147, 0.5356, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 28.9147, 0.5356, 0.3660.



This preview shows how white text looks on a background with the Yxy color 28.9147, 0.5356, 0.3660.

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

28.9147, 0.5356, 0.3660

Protanopia

29.0432, 0.4008, 0.4381

Deuteranopia

29.0714, 0.4480, 0.4411



Tritanopia

28.9679, 0.4936, 0.3237

Trichromacy



Original Color

28.9147, 0.5356, 0.3660

Protanomaly

27.7386, 0.4526, 0.4092

Deuteranomaly

28.2919, 0.4823, 0.4112

Tritanomaly

28.8736, 0.5111, 0.3410

Monochromacy



Original Color

28.9147, 0.5356, 0.3660

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.6736, 0.3930, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9147, 0.5356, 0.3660 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(242, 103, 61)` looks like.

```
.text, #text, p{  
    color:rgb(242, 103, 61)  
}
```

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(242, 103, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 103, 61) }
```

Border

The CSS property to change the border of an element to Yxy 28.9147, 0.5356, 0.3660 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(242, 103, 61) }
```

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

```
.border{ border-color:rgb(242, 103, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 103, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 103, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 103, 61);  
box-shadow:4px 4px 4px 4px rgb(242, 103,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9147, 0.5356, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 103, 61) }
```

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

```
.background{ background-color: rgb(242,  
103, 61) }
```

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