

Converting Colors

$Y_{xy}(27.8327, 0.5439, 0.3633)$

Have a look what the booklet for
Yxy(27.8327, 0.5439, 0.3633)
contains.

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Color

Yxy(27.9080, 0.5441, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	F26239
RGB	242, 98, 57
RGB Percent	95%, 38%, 22%
CMY	0.0509, 0.6157, 0.7765
CMYK	0.00, 0.60, 0.76, 0.05
HSL	13°, 88%, 59%
HSV	13°, 76%, 95%
XYZ	41.7278, 27.9080, 7.0556
YIQ	136.3820, 98.9850, 17.7770

Conversions

Conversions Part 2

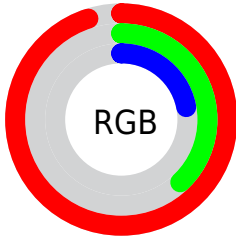
Format	Color
R _Y B	242, 110, 57
Decimal	15884857
CIE Lab	59.81, 53.27, 50.37
CIE LCh	60, 73.308, 43.398
Yxy	27.9080, 0.5441, 0.3639
Android (android.graphics.Color)	4294074937 (0xFF26239)
YUV	136.3820, -39.1353, 92.6270
Hunter-Lab	52.8280, 48.5445, 29.0610

Details

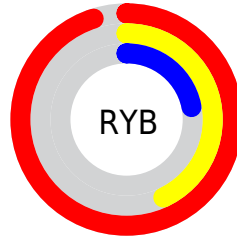
The Yxy color **27.9080, 0.5441, 0.3639** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **49.0545, 0.2155, 0.2739**, and the grayscale version is **24.8926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1040, 0.4604, 0.3756**, and **11.0640, 0.6082, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **24.6033, 0.5806, 0.3598**, and if you desaturate by 10%, it is **32.1602, 0.5035, 0.3642**.

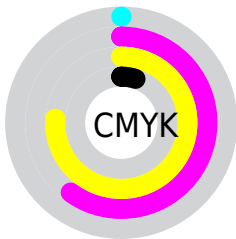
Distribution



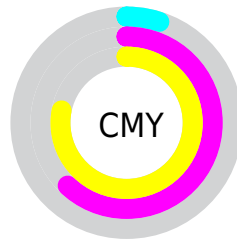
- Red (95%)
- Green (38%)
- Blue (22%)



- Red (95%)
- Yellow (43%)
- Blue (22%)



- Cyan (0%)
- Magenta (60%)
- Yellow (76%)
- Black (5%)





- Cyan (5%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9080, 0.5441, 0.3639 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 27.9080, 0.5441, 0.3639 by changing the saturation by 10% instead.


 27.9080, 0.5441,
0.3639


 27.9080, 0.5441,
0.3639


292.0270, 0.4230,
0.3587


 18.2563, 0.5729,
0.3597


 56.3375, 0.5004,
0.3658

 11.1342, 0.6078,
0.3509


 75.8842, 0.4837,
0.3654

 6.1572, 0.6580,
0.3381

 99.4979, 0.4696,
0.3645

 2.9409, 0.6982,
0.3018

 127.5632, 0.4575,
0.3634

 1.1009, 0.7546,
0.2454

 160.4643, 0.4471,
0.3622

 0.0000, 1.0000,
0.0000

 198.5857, 0.4380,

 0.0000, 0.0000,

0.3610

0.0000

242.3118, 0.4300,
0.3598

■ 27.9080, 0.5441,
0.3639

■ 27.9080, 0.5441,
0.3639

■ 24.6033, 0.5806,
0.3598

■ 32.1602, 0.5035,
0.3642

■ 22.1642, 0.6082,
0.3520


■ 37.4230, 0.4631,
0.3614


■ 21.4854, 0.6161,
0.3490


■ 43.7591, 0.4260,
0.3567


■ 51.2248, 0.3934,
0.3508

■ 59.8722, 0.3658,
0.3446

 69.7502, 0.3426,
0.3384

 80.9049, 0.3233,
0.3326

 93.3799, 0.3074,
0.3271

 97.6199, 0.3048,
0.3290

Harmonies

Analogous

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



27.9080, 0.5002, 0.2911



27.9080, 0.5441, 0.3639



27.9080, 0.5083, 0.4439

Triad

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



27.9080, 0.5441, 0.3639



27.9080, 0.2185, 0.4752



27.9080, 0.1806, 0.1632

Complementary

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



27.9080, 0.5441, 0.3639



49.0545, 0.2155, 0.2739

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.



27.9080, 0.1358, 0.1743



27.9080, 0.5441, 0.3639



27.9080, 0.1501, 0.3306

Square

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



27.9080, 0.5441, 0.3639



27.9080, 0.3193, 0.5551



27.9080, 0.1252, 0.2246



27.9080, 0.2658, 0.1819

Rectangle

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



27.9080, 0.5441, 0.3639



27.9080, 0.4552, 0.4985



27.9080, 0.1252, 0.2246



27.9080, 0.1615, 0.1634

Sweetspot

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



27.9096, 0.5441, 0.3639



71.0345, 0.3574, 0.3425



26.0649, 0.3662, 0.1958



14.3792, 0.3663, 0.3448



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.



27.9096, 0.5441, 0.3639



25.9987, 0.5979, 0.3556



55.8241, 0.4519, 0.4531



16.3269, 0.3288, 0.3343



11.7060, 0.6135, 0.3511



1.1173, 0.5886, 0.3708

Inverse Universe

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



49.0545, 0.2155, 0.2739



50.0842, 0.2068, 0.2609



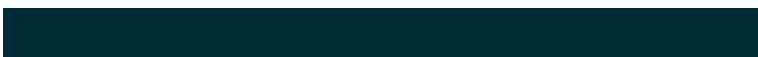
18.3053, 0.1817, 0.1432



17.2998, 0.2981, 0.3236



23.0598, 0.2044, 0.2560



2.0630, 0.2074, 0.2667

Previews

White Background



This preview shows how the Yxy color 27.9080, 0.5441, 0.3639 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 27.9080, 0.5441, 0.3639 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 27.9080, 0.5441, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 27.9080, 0.5441, 0.3639.



This preview shows how white text looks on a background with the Yxy color 27.9080, 0.5441, 0.3639.

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

27.9080, 0.5441, 0.3639

Protanopia

28.1793, 0.4026, 0.4404

Deuteranopia

27.9203, 0.4525, 0.4431



Tritanopia

27.9627, 0.5035, 0.3238

Trichromacy



Original Color

27.9080, 0.5441, 0.3639

Protanomaly

26.7788, 0.4573, 0.4091

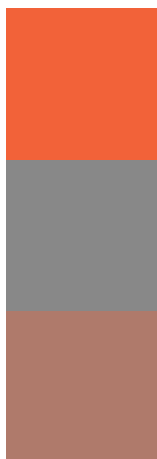
Deuteranomaly

27.1014, 0.4890, 0.4102

Tritanomaly

27.8792, 0.5198, 0.3398

Monochromacy



Original Color

27.9080, 0.5441, 0.3639

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0946, 0.3984, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9080, 0.5441, 0.3639 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, 98, 57)` looks like.

```
.text, #text, p{  
  color:rgb(242, 98, 57)  
}
```

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, 98, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 98, 57) }
```

Border

The CSS property to change the border of an element to Yxy 27.9080, 0.5441, 0.3639 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, 98, 57) }
```

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

```
.border{ border-color:rgb(242, 98, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 98, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 98, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 98, 57);  
box-shadow:4px 4px 4px 4px rgb(242, 98,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9080, 0.5441, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 98, 57) }
```

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

```
.background{ background-color: rgb(242, 98,  
57) }
```

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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