

Converting Colors

$Y_{xy}(27.4495, 0.5603, 0.3656)$

Have a look what the booklet for
Yxy(27.4495, 0.5603, 0.3656)
contains.

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Color

Yxy(27.4306, 0.5603, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	F55D2D
RGB	245, 93, 45
RGB Percent	96%, 36%, 18%
CMY	0.0393, 0.6352, 0.8236
CMYK	0.00, 0.62, 0.82, 0.04
HSL	14°, 91%, 57%
HSV	14°, 82%, 96%
XYZ	42.0387, 27.4306, 5.5596
YIQ	132.9760, 106.0000, 17.2960

Conversions

Conversions Part 2

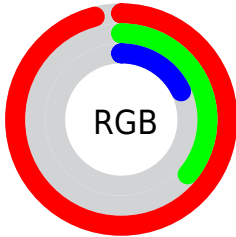
Format	Color
R _Y B	245, 108, 45
Decimal	16080173
CIE Lab	59.37, 56.08, 55.75
CIE LCh	59, 79.078, 44.831
Yxy	27.4306, 0.5603, 0.3656
Android (android.graphics.Color)	4294270253 (0xFFF55D2D)
YUV	132.9760, -43.3722, 98.2450
Hunter-Lab	52.3742, 51.6201, 30.3682

Details

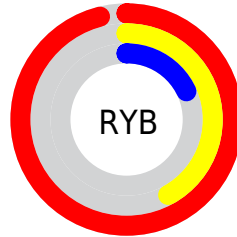
The Yxy color **27.4306, 0.5603, 0.3656** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **47.0501, 0.2107, 0.2643**, and the grayscale version is **23.5816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5811, 0.4741, 0.3822**, and **10.9678, 0.6196, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **24.4146, 0.5925, 0.3593**, and if you desaturate by 10%, it is **31.3542, 0.5218, 0.3677**.

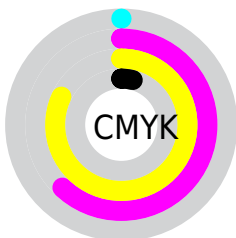
Distribution



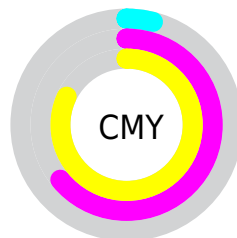
- Red (96%)
- Green (36%)
- Blue (18%)



- Red (96%)
- Yellow (42%)
- Blue (18%)



- Cyan (0%)
- Magenta (62%)
- Yellow (82%)
- Black (4%)





- Cyan (4%)
- Magenta (64%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4306, 0.5603, 0.3656 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 27.4306, 0.5603, 0.3656 by changing the saturation by 10% instead.


 27.4306, 0.5603,
0.3656


 27.4306, 0.5603,
0.3656


289.7360, 0.4323,
0.3623


 17.8969, 0.5896,
0.3598


 55.5741, 0.5149,
0.3691

 10.8760, 0.6242,
0.3486


 74.9526, 0.4973,
0.3690


 5.9835, 0.6694,
0.3306

 98.3816, 0.4823,
0.3682

 2.8350, 0.7087,
0.2913

 126.2453, 0.4694,
0.3672

 1.0462, 0.7669,
0.2331

 158.9282, 0.4582,
0.3661

 0.0000, 1.0000,
0.0000

 196.8147, 0.4484,

 0.0000, 0.0000,

0.3648

0.0000

240.2892, 0.4399,
0.3636

■ 27.4306, 0.5603,
0.3656

■ 27.4306, 0.5603,
0.3656

■ 24.4146, 0.5925,
0.3593

■ 31.3542, 0.5218,
0.3677


■ 22.5218, 0.6125,
0.3519


■ 36.2499, 0.4817,
0.3661


■ 42.1813, 0.4433,
0.3619

■ 49.2050, 0.4089,
0.3560

■ 57.3733, 0.3791,
0.3494

 66.7350, 0.3539,
0.3427

 77.3362, 0.3328,
0.3361

 89.2203, 0.3153,
0.3300

 98.1488, 0.3066,
0.3290

Harmonies

Analogous

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



27.4306, 0.5198, 0.2901



27.4306, 0.5603, 0.3656



27.4306, 0.5152, 0.4504

Triad

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



27.4306, 0.5603, 0.3656



27.4306, 0.2053, 0.4824



27.4306, 0.1752, 0.1538

Complementary

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



27.4306, 0.5603, 0.3656



47.0501, 0.2107, 0.2643

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.



27.4306, 0.1272, 0.1630



27.4306, 0.5603, 0.3656



27.4306, 0.1368, 0.3220

Square

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



27.4306, 0.5603, 0.3656



27.4306, 0.3105, 0.5746



27.4306, 0.1142, 0.2121



27.4306, 0.2671, 0.1747

Rectangle

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



27.4306, 0.5603, 0.3656



27.4306, 0.4558, 0.5103



27.4306, 0.1142, 0.2121



27.4306, 0.1548, 0.1533

Sweetspot

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



27.4322, 0.5603, 0.3656



70.5035, 0.3596, 0.3443



25.3759, 0.3751, 0.1950



14.2989, 0.3684, 0.3467



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.



27.4322, 0.5603, 0.3656



25.0675, 0.6085, 0.3533



57.1425, 0.4568, 0.4588



17.1288, 0.3288, 0.3348



12.3135, 0.6098, 0.3540



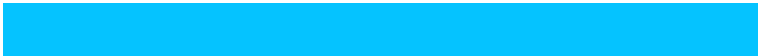
1.2357, 0.5859, 0.3730

Inverse Universe

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



47.0501, 0.2107, 0.2643



46.2665, 0.2029, 0.2495



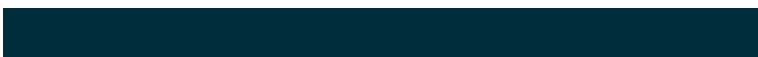
15.9432, 0.1740, 0.1263



18.0436, 0.2980, 0.3232



22.7279, 0.2026, 0.2494



2.1555, 0.2057, 0.2605

Previews

White Background



This preview shows how the Yxy color 27.4306, 0.5603, 0.3656 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 27.4306, 0.5603, 0.3656 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 27.4306, 0.5603, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 27.4306, 0.5603, 0.3656.



This preview shows how white text looks on a background with the Yxy color 27.4306, 0.5603, 0.3656.

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

27.4306, 0.5603, 0.3656

Protanopia

27.7256, 0.4138, 0.4546

Deuteranopia

27.5258, 0.4630, 0.4536



Tritanopia

27.5439, 0.5172, 0.3251

Trichromacy



Original Color

27.4306, 0.5603, 0.3656

Protanomaly

26.0006, 0.4729, 0.4174

Deuteranomaly

26.3917, 0.5042, 0.4168

Tritanomaly

27.4270, 0.5353, 0.3417

Monochromacy



Original Color

27.4306, 0.5603, 0.3656

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.8951, 0.4073, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4306, 0.5603, 0.3656 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(245, 93, 45)` looks like.

```
.text, #text, p{  
    color:rgb(245, 93, 45)  
}
```

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(245, 93, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 93, 45) }
```

Border

The CSS property to change the border of an element to Yxy 27.4306, 0.5603, 0.3656 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(245, 93, 45) }
```

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

```
.border{ border-color:rgb(245, 93, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 93, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 93, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 93, 45);  
box-shadow:4px 4px 4px 4px rgb(245, 93,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4306, 0.5603, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 93, 45) }
```

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

```
.background{ background-color: rgb(245, 93,  
45) }
```

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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