

Converting Colors

$Y_{xy}(27.8003, 0.5885, 0.3672)$

Have a look what the booklet for
Yxy(27.8003, 0.5885, 0.3672)
contains.

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Color

Yxy(27.7835, 0.5886, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	FF550C
RGB	255, 85, 12
RGB Percent	100%, 33%, 5%
CMY	0.0000, 0.6667, 0.9530
CMYK	0.00, 0.67, 0.95, 0.00
HSL	18°, 100%, 52%
HSV	18°, 95%, 100%
XYZ	44.5596, 27.7835, 3.3613
YIQ	127.5080, 124.7530, 13.3370

Conversions

Conversions Part 2

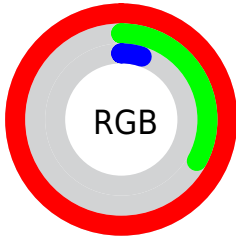
Format	Color
RYB	255, 116, 12
Decimal	16733452
CIELab	59.69, 62.16, 67.76
CIELCh	60, 91.957, 47.470
Yxy	27.7835, 0.5886, 0.3670
Android (android.graphics.Color)	4294923532 (0xFFFF550C)
YUV	127.5080, -56.9454, 111.8105
Hunter-Lab	52.7101, 58.6562, 33.1162

Details

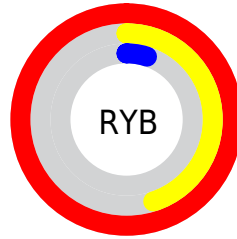
The Yxy color **27.7835, 0.5886, 0.3670** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **40.7501, 0.1981, 0.2311**, and the grayscale version is **21.5722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0609, 0.4993, 0.3939**, and **11.1329, 0.6347, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **26.5132, 0.5994, 0.3623**, and if you desaturate by 10%, it is **31.0632, 0.5604, 0.3751**.

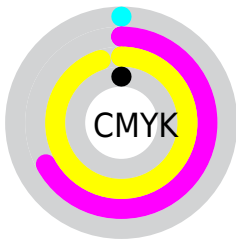
Distribution



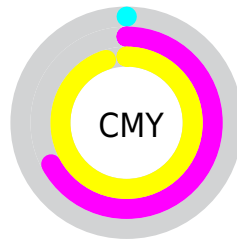
- Red (100%)
- Green (33%)
- Blue (5%)



- Red (100%)
- Yellow (45%)
- Blue (5%)



- Cyan (0%)
- Magenta (67%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7835, 0.5886, 0.3670 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 27.7835, 0.5886, 0.3670 by changing the saturation by 10% instead.

 27.7835, 0.5886,
0.3670


 27.7835, 0.5886,
0.3670


291.4309, 0.4515,
0.3698


 18.1625, 0.6169,
0.3578


 56.1386, 0.5422,
0.3744


 11.0667, 0.6538,
0.3447


 75.6415, 0.5235,
0.3753

 6.1117, 0.6840,
0.3160

 99.2072, 0.5072,
0.3752

 2.9131, 0.7246,
0.2754

 127.2200, 0.4931,
0.3745

 1.0866, 0.7834,
0.2166

 160.0645, 0.4807,
0.3735


 0.0000, 1.0000,
0.0000


 198.1248, 0.4698,

 0.0000, 0.0000,


0.3724


0.0000


 241.7855, 0.4601,
0.3711


 27.7835, 0.5886,
0.3670


 27.7835, 0.5886,
0.3670


 26.5132, 0.5994,
0.3623

 31.0632, 0.5604,
0.3751

 35.2130, 0.5258,
0.3784

 40.2955, 0.4884,
0.3771

 46.3679, 0.4516,
0.3725

 53.4821, 0.4177,
0.3656

61.6861, 0.3876,
0.3575

71.0249, 0.3618,
0.3491

81.5405, 0.3398,
0.3408

93.2731, 0.3213,
0.3330

Harmonies

Analogous

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



27.7835, 0.5587, 0.2877



27.7835, 0.5886, 0.3670



27.7835, 0.5237, 0.4611

Triad

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



27.7835, 0.5886, 0.3670



27.7835, 0.1789, 0.4941



27.7835, 0.1661, 0.1369

Complementary

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



27.7835, 0.5886, 0.3670



40.7501, 0.1981, 0.2311

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.



27.7835, 0.1120, 0.1424



27.7835, 0.5886, 0.3670



27.7835, 0.1123, 0.3023

Square

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



27.7835, 0.5886, 0.3670



27.7835, 0.2902, 0.6138



27.7835, 0.0947, 0.1879



27.7835, 0.2710, 0.1619

Rectangle

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



27.7835, 0.5886, 0.3670



27.7835, 0.4522, 0.5321



27.7835, 0.0947, 0.1879



27.7835, 0.1432, 0.1352

Sweetspot

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



27.7819, 0.5886, 0.3670



67.4361, 0.3709, 0.3522



24.9038, 0.4110, 0.2054



13.5903, 0.3820, 0.3558



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.



27.7819, 0.5886, 0.3670



26.5132, 0.5994, 0.3623



65.6201, 0.4574, 0.4729



18.8766, 0.3287, 0.3362



14.0804, 0.5965, 0.3646



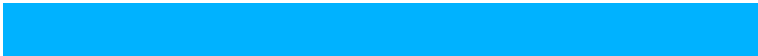
1.5525, 0.5744, 0.3821

Inverse Universe

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



40.7501, 0.1981, 0.2311



39.2167, 0.1961, 0.2258



10.5913, 0.1575, 0.0840



19.5059, 0.2980, 0.3217



20.7658, 0.1966, 0.2277



2.2136, 0.2002, 0.2406

Previews

White Background



This preview shows how the Yxy color 27.7835, 0.5886, 0.3670 looks on a white background.

Color Contrast Check

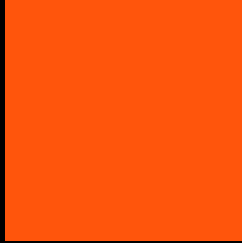
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7835, 0.5886, 0.3670 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 27.7835, 0.5886, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 27.7835, 0.5886, 0.3670.



This preview shows how white text looks on a background with the Yxy color 27.7835, 0.5886, 0.3670.

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

27.7835, 0.5886, 0.3670

Protanopia

27.7216, 0.4323, 0.4773

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.8007, 0.5380, 0.3264

Trichromacy



Original Color

27.7835, 0.5886, 0.3670

Protanomaly

25.9635, 0.4983, 0.4312

Deuteranomaly

26.5209, 0.5220, 0.4222

Tritanomaly

27.6001, 0.5657, 0.3468

Monochromacy



Original Color

27.7835, 0.5886, 0.3670

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2589, 0.4314, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7835, 0.5886, 0.3670 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, 85, 12)` looks like.

```
.text, #text, p{  
  color:rgb(255, 85, 12)  
}
```

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, 85, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 12) }
```

Border

The CSS property to change the border of an element to Yxy 27.7835, 0.5886, 0.3670 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, 85, 12) }
```

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

```
.border{ border-color:rgb(255, 85, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 12);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7835, 0.5886, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 12) }
```

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

```
.background{ background-color: rgb(255, 85,  
12) }
```

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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