

Converting Colors

$Y_{xy}(27.7315, 0.5590, 0.3595)$

Have a look what the booklet for
Yxy(27.7315, 0.5590, 0.3595)
contains.

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Color

Yxy(27.6866, 0.5588, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	F85B34
RGB	248, 91, 52
RGB Percent	97%, 36%, 20%
CMY	0.0275, 0.6431, 0.7961
CMYK	0.00, 0.63, 0.79, 0.03
HSL	12°, 93%, 59%
HSV	12°, 79%, 97%
XYZ	43.0715, 27.6866, 6.3204
YIQ	133.4970, 106.0910, 21.1550

Conversions

Conversions Part 2

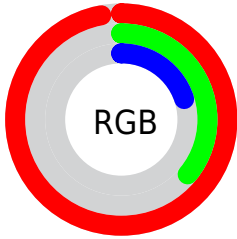
Format	Color
R _Y B	248, 101, 52
Decimal	16276276
CIE Lab	59.60, 58.17, 52.91
CIE LCh	60, 78.634, 42.292
Yxy	27.6866, 0.5588, 0.3592
Android (android.graphics.Color)	4294466356 (0xFFFF85B34)
YUV	133.4970, -40.1780, 100.4191
Hunter-Lab	52.6181, 54.0328, 29.7108

Details

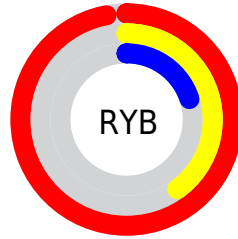
The Yxy color **27.6866, 0.5588, 0.3592** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **53.0908, 0.2153, 0.2778**, and the grayscale version is **23.7684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0867, 0.4694, 0.3740**, and **10.9460, 0.6245, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **24.5618, 0.5937, 0.3542**, and if you desaturate by 10%, it is **31.8303, 0.5179, 0.3606**.

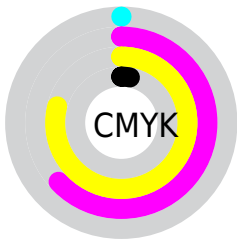
Distribution



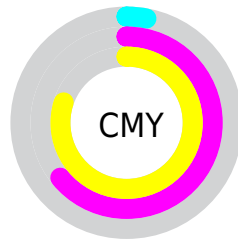
- Red (97%)
- Green (36%)
- Blue (20%)



- Red (97%)
- Yellow (40%)
- Blue (20%)



- Cyan (0%)
- Magenta (63%)
- Yellow (79%)
- Black (3%)



- Cyan (3%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6866, 0.5588, 0.3592 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 27.6866, 0.5588, 0.3592 by changing the saturation by 10% instead.


 27.6866, 0.5588,
0.3592


 27.6866, 0.5588,
0.3592


290.9663, 0.4308,
0.3583


 18.0895, 0.5887,
0.3533


 55.9837, 0.5130,
0.3632

 11.0143, 0.6242,
0.3422


 75.4525, 0.4954,
0.3634


 6.0765, 0.6741,
0.3259


 98.9807, 0.4804,
0.3630

 2.8916, 0.7137,
0.2863

 126.9527, 0.4676,
0.3622

 1.0754, 0.7719,
0.2281

 159.7529, 0.4565,
0.3613

 0.0000, 1.0000,
0.0000

 197.7656, 0.4468,

 0.0000, 0.0000,

0.3603

0.0000

241.3753, 0.4383,
0.3593

■ 27.6866, 0.5588,
0.3592

■ 27.6866, 0.5588,
0.3592

■ 24.5618, 0.5937,
0.3542

■ 31.8303, 0.5179,
0.3606

■ 22.3543, 0.6184,
0.3463


■ 37.0689, 0.4762,
0.3590


■ 22.1847, 0.6204,
0.3456


■ 43.4762, 0.4370,
0.3551

■ 51.1182, 0.4025,
0.3501

■ 60.0558, 0.3731,
0.3445

 70.3459, 0.3484,
0.3389

 82.0419, 0.3281,
0.3336

 95.1943, 0.3112,
0.3285

 98.6960, 0.3084,
0.3290

Harmonies

Analogous

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



27.6866, 0.5104, 0.2845



27.6866, 0.5588, 0.3592



27.6866, 0.5203, 0.4426

Triad

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



27.6866, 0.5588, 0.3592



27.6866, 0.2142, 0.4934



27.6866, 0.1706, 0.1544

Complementary

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



27.6866, 0.5588, 0.3592



53.0908, 0.2153, 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.



27.6866, 0.1259, 0.1665



27.6866, 0.5588, 0.3592



27.6866, 0.1419, 0.3346

Square

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



27.6866, 0.5588, 0.3592



27.6866, 0.3204, 0.5736



27.6866, 0.1157, 0.2196



27.6866, 0.2580, 0.1728

Rectangle

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



27.6866, 0.5588, 0.3592



27.6866, 0.4636, 0.5021



27.6866, 0.1157, 0.2196



27.6866, 0.1514, 0.1548

Sweetspot

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



27.6882, 0.5588, 0.3592



69.2822, 0.3602, 0.3417



27.1669, 0.3603, 0.1889



14.0120, 0.3692, 0.3437



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.



27.6882, 0.5588, 0.3592



24.6246, 0.6099, 0.3495



55.2902, 0.4621, 0.4492



17.7847, 0.3289, 0.3338



12.1397, 0.6180, 0.3475



1.2659, 0.5964, 0.3646

Inverse Universe

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



53.0908, 0.2153, 0.2778



51.8140, 0.2078, 0.2660



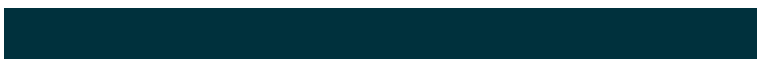
19.5534, 0.1803, 0.1446



18.9868, 0.2980, 0.3242



25.8346, 0.2066, 0.2637



2.5368, 0.2090, 0.2724

Previews

White Background



This preview shows how the Yxy color 27.6866, 0.5588, 0.3592 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 27.6866, 0.5588, 0.3592 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 27.6866, 0.5588, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 27.6866, 0.5588, 0.3592.



This preview shows how white text looks on a background with the Yxy color 27.6866, 0.5588, 0.3592.

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

27.6866, 0.5588, 0.3592

Protanopia

27.8253, 0.4068, 0.4442

Deuteranopia

27.8616, 0.4573, 0.4492



Tritanopia

27.5506, 0.5227, 0.3252

Trichromacy



Original Color

27.6866, 0.5588, 0.3592

Protanomaly

26.2215, 0.4664, 0.4084

Deuteranomaly

26.5939, 0.4996, 0.4107

Tritanomaly

27.6550, 0.5380, 0.3389

Monochromacy



Original Color

27.6866, 0.5588, 0.3592

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0703, 0.4047, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6866, 0.5588, 0.3592 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(248, 91, 52)` looks like.

```
.text, #text, p{  
    color:rgb(248, 91, 52)  
}
```

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(248, 91, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 91, 52) }
```

Border

The CSS property to change the border of an element to Yxy 27.6866, 0.5588, 0.3592 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(248, 91, 52) }
```

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

```
.border{ border-color:rgb(248, 91, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 91, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 91, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 91, 52);  
box-shadow:4px 4px 4px 4px rgb(248, 91,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6866, 0.5588, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 91, 52) }
```

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

```
.background{ background-color: rgb(248, 91,  
52) }
```

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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