

Converting Colors

$Y_{xy}(27.2928, 0.5429, 0.3762)$

Have a look what the booklet for
Yxy(27.2928, 0.5429, 0.3762)
contains.

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Color

Yxy(27.3701, 0.5430, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	EB662F
RGB	235, 102, 47
RGB Percent	92%, 40%, 18%
CMY	0.0784, 0.6000, 0.8154
CMYK	0.00, 0.57, 0.80, 0.08
HSL	18°, 82%, 55%
HSV	18°, 80%, 92%
XYZ	39.5265, 27.3701, 5.8962
YIQ	135.4970, 96.9230, 11.0910

Conversions

Conversions Part 2

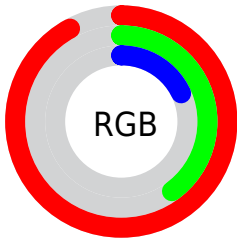
Format	Color
R _Y B	235, 125, 47
Decimal	15427119
CIE Lab	59.32, 48.57, 54.19
CIE LCh	59, 72.773, 48.126
Yxy	27.3701, 0.5430, 0.3760
Android (android.graphics.Color)	4293617199 (0xFFEB662F)
YUV	135.4970, -43.6290, 87.2641
Hunter-Lab	52.3164, 43.3079, 29.9393

Details

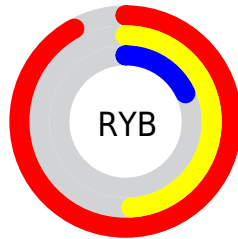
The Yxy color **27.3701, 0.5430, 0.3760** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **39.2724, 0.2080, 0.2514**, and the grayscale version is **24.5653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9000, 0.4668, 0.3875**, and **10.8846, 0.6003, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **24.2824, 0.5754, 0.3706**, and if you desaturate by 10%, it is **31.2186, 0.5061, 0.3768**.

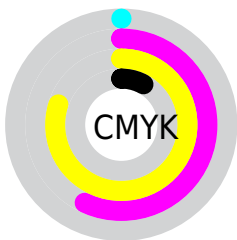
Distribution



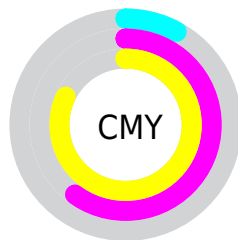
- Red (92%)
- Green (40%)
- Blue (18%)



- Red (92%)
- Yellow (49%)
- Blue (18%)



- Cyan (0%)
- Magenta (57%)
- Yellow (80%)
- Black (8%)





- Cyan (8%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3701, 0.5430, 0.3760 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 27.3701, 0.5430, 0.3760 by changing the saturation by 10% instead.


 27.3701, 0.5430,
0.3760


 27.3701, 0.5430,
0.3760


289.4446, 0.4233,
0.3654


 17.8514, 0.5708,
0.3725


 55.4772, 0.5002,
0.3764

 10.8433, 0.6038,
0.3642


 74.8343, 0.4838,
0.3752


 5.9616, 0.6492,
0.3508


 98.2398, 0.4698,
0.3736

 2.8217, 0.6857,
0.3143

 126.0778, 0.4577,
0.3720

 1.0394, 0.7415,
0.2585

 158.7330, 0.4473,
0.3702

 0.0000, 1.0000,
0.0000

 196.5896, 0.4383,

 0.0000, 0.0000,

0.3686

0.0000

240.0320, 0.4303,
0.3669

■ 27.3701, 0.5430,
0.3760

■ 27.3701, 0.5430,
0.3760

■ 24.2824, 0.5754,
0.3706

■ 31.2186, 0.5061,
0.3768

■ 21.8871, 0.6005,
0.3614


■ 35.8738, 0.4685,
0.3736


■ 21.8808, 0.6006,
0.3613


■ 41.3828, 0.4329,
0.3678


■ 47.7875, 0.4010,
0.3604

■ 55.1269, 0.3732,
0.3523

 63.4375, 0.3495,
0.3442

 72.7539, 0.3295,
0.3363

 83.1089, 0.3127,
0.3290

 94.3016, 0.3005,
0.3257

Harmonies

Analogous

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



27.3701, 0.5126, 0.3022



27.3701, 0.5430, 0.3760



27.3701, 0.4972, 0.4570

Triad

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



27.3701, 0.5430, 0.3760



27.3701, 0.2050, 0.4533



27.3701, 0.1913, 0.1644

Complementary

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



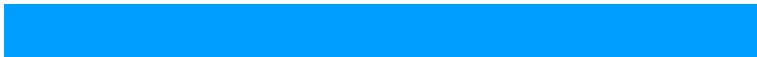
27.3701, 0.5430, 0.3760



39.2724, 0.2080, 0.2514

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.



27.3701, 0.1406, 0.1704



27.3701, 0.5430, 0.3760



27.3701, 0.1436, 0.3099

Square

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



27.3701, 0.5430, 0.3760



27.3701, 0.3025, 0.5505



27.3701, 0.1248, 0.2135



27.3701, 0.2831, 0.1874

Rectangle

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



27.3701, 0.5430, 0.3760



27.3701, 0.4405, 0.5105



27.3701, 0.1248, 0.2135



27.3701, 0.1701, 0.1630

Sweetspot

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



27.3716, 0.5430, 0.3760



72.0782, 0.3588, 0.3475



23.0678, 0.3866, 0.2041



14.6699, 0.3674, 0.3504



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.



27.3716, 0.5430, 0.3760



27.2808, 0.5922, 0.3647



56.5767, 0.4456, 0.4658



15.7715, 0.3286, 0.3360



12.3691, 0.5978, 0.3636



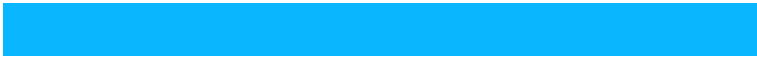
1.1323, 0.5706, 0.3851

Inverse Universe

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



39.2724, 0.2080, 0.2514



41.3347, 0.1986, 0.2332



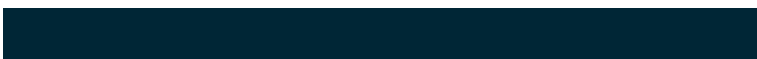
13.5488, 0.1733, 0.1195



16.3349, 0.2981, 0.3220



18.8094, 0.1975, 0.2310



1.6417, 0.2017, 0.2462

Previews

White Background



This preview shows how the Yxy color 27.3701, 0.5430, 0.3760 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 27.3701, 0.5430, 0.3760 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 27.3701, 0.5430, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 27.3701, 0.5430, 0.3760.



This preview shows how white text looks on a background with the Yxy color 27.3701, 0.5430, 0.3760.

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

27.3701, 0.5430, 0.3760

Protanopia

27.4240, 0.4147, 0.4534

Deuteranopia

27.4390, 0.4590, 0.4507



Tritanopia

27.3296, 0.4912, 0.3235

Trichromacy



Original Color

27.3701, 0.5430, 0.3760

Protanomaly

26.2695, 0.4644, 0.4224

Deuteranomaly

26.8479, 0.4924, 0.4209

Tritanomaly

27.1774, 0.5140, 0.3451

Monochromacy



Original Color

27.3701, 0.5430, 0.3760

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.1854, 0.3972, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3701, 0.5430, 0.3760 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(235, 102, 47)` looks like.

```
.text, #text, p{  
    color:rgb(235, 102, 47)  
}
```

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(235, 102, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 102, 47) }
```

Border

The CSS property to change the border of an element to Yxy 27.3701, 0.5430, 0.3760 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(235, 102, 47) }
```

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

```
.border{ border-color:rgb(235, 102, 47) }
```

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

Here you see how a box with a 4 pixel rgb(235, 102, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 102, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 102, 47);  
box-shadow:4px 4px 4px 4px rgb(235, 102,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3701, 0.5430, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 102, 47) }
```

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

```
.background{ background-color: rgb(235,  
102, 47) }
```

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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