

Converting Colors

$Y_{xy}(30.0559, 0.5221, 0.3727)$

Have a look what the booklet for
Yxy(30.0559, 0.5221, 0.3727)
contains.

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Color

Yxy(30.0898, 0.5228, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	EF6F40
RGB	239, 111, 64
RGB Percent	94%, 44%, 25%
CMY	0.0627, 0.5647, 0.7489
CMYK	0.00, 0.54, 0.73, 0.06
HSL	16°, 85%, 59%
HSV	16°, 73%, 94%
XYZ	42.2081, 30.0898, 8.4368
YIQ	143.9140, 91.3750, 12.5190

Conversions

Conversions Part 2

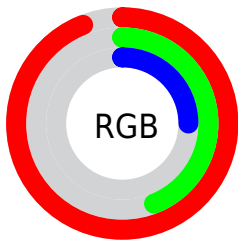
Format	Color
R _Y B	239, 128, 64
Decimal	15691584
CIE Lab	61.73, 46.42, 48.76
CIE LCh	62, 67.317, 46.408
Yxy	30.0898, 0.5228, 0.3727
Android (android.graphics.Color)	4293881664 (0xFFEF6F40)
YUV	143.9140, -39.3976, 83.3904
Hunter-Lab	54.8542, 41.3537, 29.2789

Details

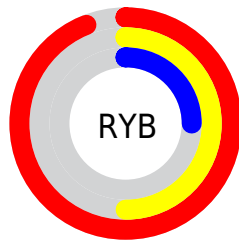
The Yxy color **30.0898, 0.5228, 0.3727** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **45.0318, 0.2150, 0.2649**, and the grayscale version is **27.9893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3852, 0.4457, 0.3813**, and **12.2907, 0.5806, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **26.4258, 0.5596, 0.3702**, and if you desaturate by 10%, it is **34.6203, 0.4839, 0.3712**.

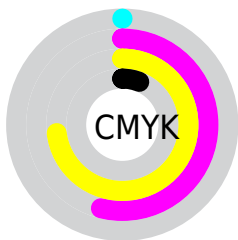
Distribution



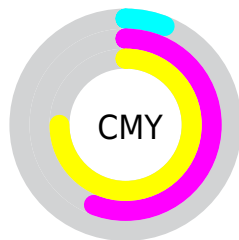
- Red (94%)
- Green (44%)
- Blue (25%)



- Red (94%)
- Yellow (50%)
- Blue (25%)



- Cyan (0%)
- Magenta (54%)
- Yellow (73%)
- Black (6%)





- Cyan (6%)
- Magenta (56%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0898, 0.5228, 0.3727 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 30.0898, 0.5228, 0.3727 by changing the saturation by 10% instead.


 30.0898, 0.5228,
0.3727


 30.0898, 0.5228,
0.3727


302.3228, 0.4134,
0.3608

 19.9068, 0.5491,
0.3711

 59.8042, 0.4832,
0.3716

 12.3273, 0.5811,
0.3660


 80.1043, 0.4682,
0.3701

 6.9670, 0.6228,
0.3559


 104.5455, 0.4555,
0.3685

 3.4415, 0.6687,
0.3313

 133.5123, 0.4446,
0.3669

 1.3663, 0.7178,
0.2822

 167.3891, 0.4351,
0.3653

 0.1917, 0.8803,
0.1197

206.5601, 0.4269,

 0.0000, 1.0000,

0.3637

0.0000

251.4099, 0.4197,
0.3622

■ 0.0000, 0.0000,
0.0000

■ 30.0898, 0.5228,
0.3727

■ 30.0898, 0.5228,
0.3727

■ 26.4258, 0.5596,
0.3702

■ 34.6203, 0.4839,
0.3712

■ 23.5635, 0.5901,
0.3632


■ 40.0658, 0.4464,
0.3666


■ 22.0376, 0.6062,
0.3568


■ 46.4767, 0.4123,
0.3602


■ 53.8982, 0.3825,
0.3529

■ 62.3724, 0.3571,
0.3454

 71.9391, 0.3357,
0.3381

 82.6359, 0.3178,
0.3311

 94.4841, 0.3030,
0.3249

 97.0914, 0.3029,
0.3290

Harmonies

Analogous

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



30.0898, 0.4886, 0.3030



30.0898, 0.5228, 0.3727



30.0898, 0.4878, 0.4469

Triad

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



30.0898, 0.5228, 0.3727



30.0898, 0.2209, 0.4460



30.0898, 0.1980, 0.1765

Complementary

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



30.0898, 0.5228, 0.3727



45.0318, 0.2150, 0.2649

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.



30.0898, 0.1519, 0.1848



30.0898, 0.5228, 0.3727



30.0898, 0.1602, 0.3204

Square

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



30.0898, 0.5228, 0.3727



30.0898, 0.3126, 0.5271



30.0898, 0.1391, 0.2289



30.0898, 0.2809, 0.1966

Rectangle

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



30.0898, 0.5228, 0.3727



30.0898, 0.4385, 0.4939



30.0898, 0.1391, 0.2289



30.0898, 0.1787, 0.1759

Sweetspot

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



30.0915, 0.5228, 0.3727



73.4531, 0.3545, 0.3445



25.8416, 0.3747, 0.2061



15.1154, 0.3609, 0.3466



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.



30.0915, 0.5228, 0.3727



28.8135, 0.5761, 0.3672



59.1898, 0.4392, 0.4580



16.4492, 0.3287, 0.3354



12.3625, 0.6035, 0.3590



1.1871, 0.5779, 0.3794

Inverse Universe

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



45.0318, 0.2150, 0.2649



46.4232, 0.2046, 0.2495



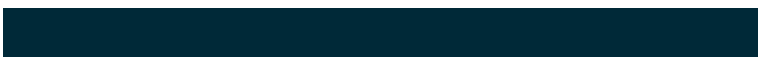
17.3957, 0.1834, 0.1403



17.1691, 0.2981, 0.3225



20.5783, 0.1998, 0.2394



1.8750, 0.2035, 0.2526

Previews

White Background



This preview shows how the Yxy color 30.0898, 0.5228, 0.3727 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.0898, 0.5228, 0.3727 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0898, 0.5228, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 30.0898, 0.5228, 0.3727.



This preview shows how white text looks on a background with the Yxy color 30.0898, 0.5228, 0.3727.

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

30.0898, 0.5228, 0.3727

Protanopia

30.3338, 0.4002, 0.4378

Deuteranopia

30.0706, 0.4463, 0.4381



Tritanopia

29.9738, 0.4758, 0.3223

Trichromacy



Original Color

30.0898, 0.5228, 0.3727

Protanomaly

29.2827, 0.4460, 0.4118

Deuteranomaly

29.5275, 0.4757, 0.4121

Tritanomaly

29.8669, 0.4947, 0.3416

Monochromacy



Original Color

30.0898, 0.5228, 0.3727

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.3240, 0.3879, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0898, 0.5228, 0.3727 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(239, 111, 64)` looks like.

```
.text, #text, p{  
    color:rgb(239, 111, 64)  
}
```

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(239, 111, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 111, 64) }
```

Border

The CSS property to change the border of an element to Yxy 30.0898, 0.5228, 0.3727 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(239, 111, 64) }
```

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

```
.border{ border-color:rgb(239, 111, 64) }
```

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

Here you see how a box with a 4 pixel rgb(239, 111, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 111, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 111, 64);  
box-shadow:4px 4px 4px 4px rgb(239, 111,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0898, 0.5228, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 111, 64) }
```

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

```
.background{ background-color: rgb(239,  
111, 64) }
```

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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