

Converting Colors

$Y_{xy}(28.0173, 0.5210, 0.3725)$

Have a look what the booklet for
Yxy(28.0173, 0.5210, 0.3725)
contains.

Yxy(28.0729, 0.5205, 0.3726)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0729, 0.5205, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	E76C3F
RGB	231, 108, 63
RGB Percent	91%, 42%, 25%
CMY	0.0941, 0.5765, 0.7529
CMYK	0.00, 0.53, 0.73, 0.09
HSL	16°, 78%, 58%
HSV	16°, 73%, 91%
XYZ	39.2162, 28.0729, 8.0542
YIQ	139.6470, 87.7530, 12.0810

Conversions

Conversions Part 2

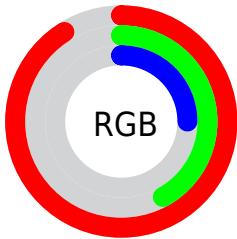
Format	Color
R _Y B	231, 124, 63
Decimal	15166527
CIE Lab	59.95, 44.84, 47.00
CIE LCh	60, 64.959, 46.347
Yxy	28.0729, 0.5205, 0.3726
Android (android.graphics.Color)	4293356607 (0xFFE76C3F)
YUV	139.6470, -37.7870, 80.1166
Hunter-Lab	52.9839, 39.3956, 28.0759

Details

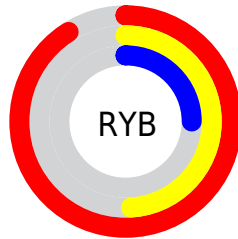
The Yxy color **28.0729, 0.5205, 0.3726** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **41.9457, 0.2156, 0.2657**, and the grayscale version is **26.2060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2929, 0.4486, 0.3792**, and **11.1991, 0.5811, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **24.6399, 0.5575, 0.3704**, and if you desaturate by 10%, it is **32.3092, 0.4817, 0.3708**.

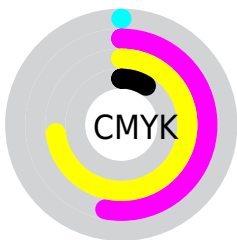
Distribution



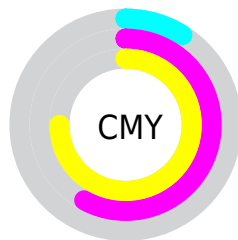
- Red (91%)
- Green (42%)
- Blue (25%)



- Red (91%)
- Yellow (49%)
- Blue (25%)



- Cyan (0%)
- Magenta (53%)
- Yellow (73%)
- Black (9%)





- Cyan (9%)
- Magenta (58%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0729, 0.5205, 0.3726 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 28.0729, 0.5205, 0.3726 by changing the saturation by 10% instead.


 28.0729, 0.5205,
0.3726


 28.0729, 0.5205,
0.3726

292.8151, 0.4109,
0.3602


 18.3806, 0.5473,
0.3711


 56.6008, 0.4805,
0.3712


 11.2236, 0.5802,
0.3660


 76.2052, 0.4654,
0.3697


 6.2174, 0.6249,
0.3565

 99.8825, 0.4526,
0.3680

 2.9777, 0.6708,
0.3292

 128.0170, 0.4418,
0.3663

 1.1201, 0.7232,
0.2768

 160.9931, 0.4324,
0.3647

 0.0000, 1.0000,
0.0000

 199.1952, 0.4243,

 0.0000, 0.0000,

0.3631

0.0000

243.0077, 0.4172,
0.3616

■ 28.0729, 0.5205,
0.3726

■ 28.0729, 0.5205,
0.3726

■ 24.6399, 0.5575,
0.3704

■ 32.3092, 0.4817,
0.3708

■ 21.9509, 0.5885,
0.3637


■ 37.3933, 0.4443,
0.3662


■ 20.4218, 0.6061,
0.3570


■ 43.3714, 0.4105,
0.3597

■ 50.2850, 0.3810,
0.3524

■ 58.1730, 0.3559,
0.3450

 67.0719, 0.3347,
0.3377

 77.0162, 0.3170,
0.3308

 88.0388, 0.3022,
0.3244

 95.7298, 0.2982,
0.3290

Harmonies

Analogous

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



28.0729, 0.4863, 0.3033



28.0729, 0.5205, 0.3726



28.0729, 0.4864, 0.4461

Triad

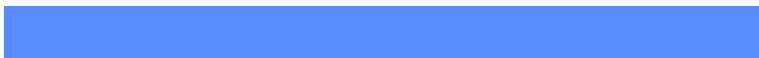
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.0729, 0.5205, 0.3726



28.0729, 0.2222, 0.4446



28.0729, 0.1991, 0.1779

Complementary

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



28.0729, 0.5205, 0.3726



41.9457, 0.2156, 0.2657

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.



28.0729, 0.1534, 0.1863



28.0729, 0.5205, 0.3726



28.0729, 0.1619, 0.3209

Square

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



28.0729, 0.5205, 0.3726



28.0729, 0.3131, 0.5245



28.0729, 0.1407, 0.2302



28.0729, 0.2812, 0.1978

Rectangle

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



28.0729, 0.5205, 0.3726



28.0729, 0.4378, 0.4923



28.0729, 0.1407, 0.2302



28.0729, 0.1799, 0.1774

Sweetspot

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



28.0744, 0.5205, 0.3726



73.4351, 0.3545, 0.3445



24.0987, 0.3740, 0.2066



15.1112, 0.3609, 0.3465



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.



28.0744, 0.5205, 0.3726



29.1250, 0.5732, 0.3678



54.9620, 0.4383, 0.4574



14.9928, 0.3286, 0.3354



11.6229, 0.6033, 0.3592



1.0088, 0.5746, 0.3819

Inverse Universe

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



41.9457, 0.2156, 0.2657



46.8340, 0.2052, 0.2507



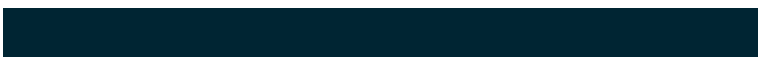
16.3690, 0.1843, 0.1420



15.6489, 0.2981, 0.3226



19.3830, 0.2000, 0.2398



1.5833, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 28.0729, 0.5205, 0.3726 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 28.0729, 0.5205, 0.3726 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 28.0729, 0.5205, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 28.0729, 0.5205, 0.3726.



This preview shows how white text looks on a background with the Yxy color 28.0729, 0.5205, 0.3726.

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

28.0729, 0.5205, 0.3726

Protanopia

28.2324, 0.3992, 0.4352

Deuteranopia

28.2862, 0.4452, 0.4363



Tritanopia

28.1283, 0.4734, 0.3231

Trichromacy



Original Color

28.0729, 0.5205, 0.3726

Protanomaly

27.3966, 0.4442, 0.4106

Deuteranomaly

27.6366, 0.4741, 0.4103

Tritanomaly

28.0317, 0.4928, 0.3431

Monochromacy



Original Color

28.0729, 0.5205, 0.3726

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.4924, 0.3864, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0729, 0.5205, 0.3726 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(231, 108, 63)` looks like.

```
.text, #text, p{  
    color:rgb(231, 108, 63)  
}
```

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(231, 108, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 108, 63) }
```

Border

The CSS property to change the border of an element to Yxy 28.0729, 0.5205, 0.3726 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(231, 108, 63) }
```

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

```
.border{ border-color:rgb(231, 108, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 108, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 108, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 108, 63);  
box-shadow:4px 4px 4px 4px rgb(231, 108,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0729, 0.5205, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 108, 63) }
```

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

```
.background{ background-color: rgb(231,  
108, 63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor