

Converting Colors

$Y_{xy}(27.9888, 0.5116, 0.3696)$

Have a look what the booklet for
Yxy(27.9888, 0.5116, 0.3696)
contains.

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Color

Yxy(28.0250, 0.5121, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	E56D45
RGB	229, 109, 69
RGB Percent	90%, 43%, 27%
CMY	0.1020, 0.5725, 0.7294
CMYK	0.00, 0.52, 0.70, 0.10
HSL	15°, 75%, 58%
HSV	15°, 70%, 90%
XYZ	38.8511, 28.0250, 8.9902
YIQ	140.3200, 84.3600, 13.0000

Conversions

Conversions Part 2

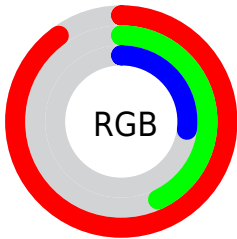
Format	Color
RYB	229, 122, 69
Decimal	15035717
CIELab	59.91, 43.87, 43.79
CIElCh	60, 61.985, 44.950
Yxy	28.0250, 0.5121, 0.3694
Android (android.graphics.Color)	4293225797 (0xFFE56D45)
YUV	140.3200, -35.1608, 77.7724
Hunter-Lab	52.9386, 38.3567, 26.9883

Details

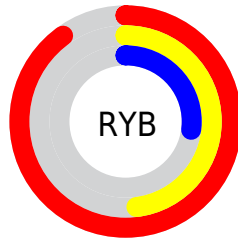
The Yxy color **28.0250, 0.5121, 0.3694** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **43.2935, 0.2191, 0.2728**, and the grayscale version is **26.4737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7863, 0.4426, 0.3745**, and **11.1997, 0.5707, 0.3643** is the 20% darker color. If you saturate the color by 10%, you get **24.4819, 0.5507, 0.3682**, and if you desaturate by 10%, it is **32.3963, 0.4726, 0.3670**.

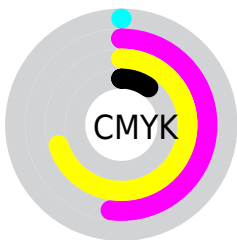
Distribution



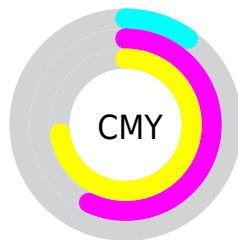
- Red (90%)
- Green (43%)
- Blue (27%)



- Red (90%)
- Yellow (48%)
- Blue (27%)



- Cyan (0%)
- Magenta (52%)
- Yellow (70%)
- Black (10%)





- Cyan (10%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0250, 0.5121, 0.3694 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 28.0250, 0.5121, 0.3694 by changing the saturation by 10% instead.


 28.0250, 0.5121,
0.3694


 28.0250, 0.5121,
0.3694


292.5864, 0.4062,
0.3574


 18.3445, 0.5386,
0.3683


 56.5244, 0.4731,
0.3678

 11.1976, 0.5715,
0.3641


 76.1120, 0.4585,
0.3663


 6.1999, 0.6144,
0.3545

 99.7708, 0.4462,
0.3647

 2.9670, 0.6677,
0.3323

 127.8852, 0.4358,
0.3631

 1.1145, 0.7197,
0.2803

 160.8396, 0.4268,
0.3616

 0.0000, 1.0000,
0.0000

199.0183, 0.4190,

 0.0000, 0.0000,

0.3601

0.0000

242.8057, 0.4122,
0.3587

■ 28.0250, 0.5121,
0.3694

■ 28.0250, 0.5121,
0.3694

■ 24.4819, 0.5507,
0.3682

■ 32.3963, 0.4726,
0.3670

■ 21.7071, 0.5843,
0.3628

■ 37.6409, 0.4355,
0.3621


■ 19.6331, 0.6095,
0.3541

■ 43.8059, 0.4024,
0.3558


■ 19.6103, 0.6098,
0.3540

■ 50.9336, 0.3738,
0.3489

■ 59.0637, 0.3496,
0.3419

 68.2334, 0.3294,
0.3352

 78.4781, 0.3125,
0.3289

 89.8315, 0.2985,
0.3231

 95.3947, 0.2970,
0.3290

Harmonies

Analogous

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



28.0250, 0.4754, 0.3021



28.0250, 0.5121, 0.3694



28.0250, 0.4832, 0.4402

Triad

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



28.0250, 0.5121, 0.3694



28.0250, 0.2301, 0.4439



28.0250, 0.2006, 0.1829

Complementary

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



28.0250, 0.5121, 0.3694



43.2935, 0.2191, 0.2728

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.



28.0250, 0.1575, 0.1928



28.0250, 0.5121, 0.3694



28.0250, 0.1695, 0.3271

Square

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



28.0250, 0.5121, 0.3694



28.0250, 0.3188, 0.5161



28.0250, 0.1468, 0.2378



28.0250, 0.2784, 0.2009

Rectangle

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



28.0250, 0.5121, 0.3694



28.0250, 0.4381, 0.4843



28.0250, 0.1468, 0.2378



28.0250, 0.1824, 0.1828

Sweetspot

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



28.0265, 0.5121, 0.3694



74.0224, 0.3524, 0.3428



24.5832, 0.3672, 0.2070



15.2086, 0.3588, 0.3447



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.



28.0265, 0.5121, 0.3694



29.4949, 0.5671, 0.3662



53.4721, 0.4360, 0.4521



14.9510, 0.3286, 0.3349



11.3755, 0.6072, 0.3560



0.9856, 0.5787, 0.3787

Inverse Universe

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



43.2935, 0.2191, 0.2728



49.6487, 0.2084, 0.2590



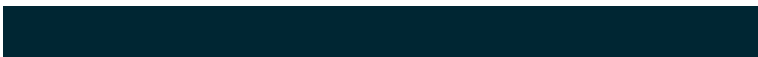
17.8556, 0.1897, 0.1535



15.6935, 0.2981, 0.3230



20.2393, 0.2017, 0.2461



1.6406, 0.2055, 0.2596

Previews

White Background



This preview shows how the Yxy color 28.0250, 0.5121, 0.3694 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 28.0250, 0.5121, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

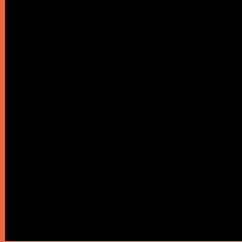
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0250, 0.5121, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 28.0250, 0.5121, 0.3694.



This preview shows how white text looks on a background with the Yxy color 28.0250, 0.5121, 0.3694.

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

28.0250, 0.5121, 0.3694

Protanopia

28.2158, 0.3926, 0.4276

Deuteranopia

28.2391, 0.4386, 0.4299



Tritanopia

28.0373, 0.4681, 0.3218

Trichromacy



Original Color

28.0250, 0.5121, 0.3694

Protanomaly

27.2287, 0.4361, 0.4045

Deuteranomaly

27.5662, 0.4678, 0.4051

Tritanomaly

27.9756, 0.4852, 0.3402

Monochromacy



Original Color

28.0250, 0.5121, 0.3694

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.6861, 0.3822, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0250, 0.5121, 0.3694 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(229, 109, 69)` looks like.

```
.text, #text, p{  
    color:rgb(229, 109, 69)  
}
```

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(229, 109, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 109, 69) }
```

Border

The CSS property to change the border of an element to Yxy 28.0250, 0.5121, 0.3694 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(229, 109, 69) }
```

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

```
.border{ border-color:rgb(229, 109, 69) }
```

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

Here you see how a box with a 4 pixel rgb(229, 109, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 109, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 109, 69);  
box-shadow:4px 4px 4px 4px rgb(229, 109,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0250, 0.5121, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 109, 69) }
```

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

```
.background{ background-color: rgb(229,  
109, 69) }
```

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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