

Converting Colors

$Y_{xy}(28.0123, 0.5096, 0.3616)$

Have a look what the booklet for
Yxy(28.0123, 0.5096, 0.3616)
contains.

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Color

Yxy(28.0123, 0.5096, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	E76B4B
RGB	231, 107, 75
RGB Percent	91%, 42%, 29%
CMY	0.0942, 0.5803, 0.7060
CMYK	0.00, 0.54, 0.68, 0.09
HSL	12°, 76%, 60%
HSV	12°, 68%, 91%
XYZ	39.4775, 28.0123, 9.9778
YIQ	140.4280, 84.1760, 16.3360

Conversions

Conversions Part 2

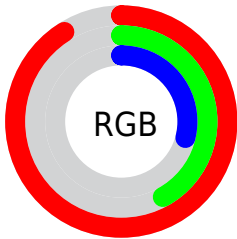
Format	Color
R _Y B	231, 115, 75
Decimal	15166283
CIE Lab	59.90, 45.90, 40.69
CIE LCh	60, 61.342, 41.558
Yxy	28.0123, 0.5096, 0.3616
Android (android.graphics.Color)	4293356363 (0xFFE76B4B)
YUV	140.4280, -32.2560, 79.4316
Hunter-Lab	52.9266, 40.5199, 25.8712

Details

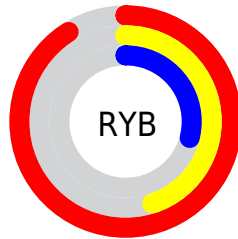
The Yxy color **28.0123, 0.5096, 0.3616** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **48.0779, 0.2237, 0.2850**, and the grayscale version is **26.5061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2304, 0.4384, 0.3665**, and **11.1621, 0.5695, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **24.3228, 0.5506, 0.3608**, and if you desaturate by 10%, it is **32.6318, 0.4685, 0.3594**.

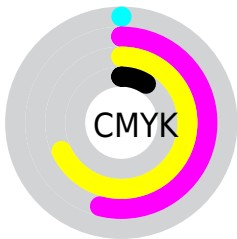
Distribution



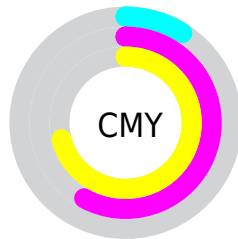
- Red (91%)
- Green (42%)
- Blue (29%)



- Red (91%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (54%)
- Yellow (68%)
- Black (9%)





- Cyan (9%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0123, 0.5096, 0.3616 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 28.0123, 0.5096, 0.3616 by changing the saturation by 10% instead.


 28.0123, 0.5096,
0.3616


 28.0123, 0.5096,
0.3616


292.5257, 0.4044,
0.3530


 18.3349, 0.5363,
0.3600


 56.5041, 0.4706,
0.3610


 11.1907, 0.5700,
0.3554


 76.0873, 0.4561,
0.3600


 6.1953, 0.6129,
0.3448

 99.7412, 0.4439,
0.3588

 2.9642, 0.6745,
0.3255

 127.8503, 0.4336,
0.3576

 1.1131, 0.7276,
0.2724

 160.7989, 0.4247,
0.3564

 0.0000, 1.0000,
0.0000

198.9714, 0.4170,

 0.0000, 0.0000,

0.3552

0.0000

242.7522, 0.4103,
0.3541

■ 28.0123, 0.5096,
0.3616

■ 28.0123, 0.5096,
0.3616

■ 24.3228, 0.5506,
0.3608

■ 32.6318, 0.4685,
0.3594

■ 21.4937, 0.5867,
0.3564

■ 38.2351, 0.4305,
0.3551


■ 19.4512, 0.6133,
0.3488


■ 44.8773, 0.3971,
0.3498

■ 19.0553, 0.6187,
0.3469

■ 52.6078, 0.3687,
0.3441

■ 61.4731, 0.3449,
0.3383

 71.5166, 0.3253,
0.3329

 82.7799, 0.3090,
0.3278

 94.9917, 0.2981,
0.3278

 95.7258, 0.2981,
0.3290

Harmonies

Analogous

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



28.0123, 0.4655, 0.2953



28.0123, 0.5096, 0.3616



28.0123, 0.4878, 0.4317

Triad

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



28.0123, 0.5096, 0.3616



28.0123, 0.2400, 0.4544



28.0123, 0.1950, 0.1837

Complementary

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



28.0123, 0.5096, 0.3616



48.0779, 0.2237, 0.2850

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.



28.0123, 0.1559, 0.1971



28.0123, 0.5096, 0.3616



28.0123, 0.1757, 0.3399

Square

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



28.0123, 0.5096, 0.3616



28.0123, 0.3296, 0.5165



28.0123, 0.1489, 0.2465



28.0123, 0.2684, 0.1986

Rectangle

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



28.0123, 0.5096, 0.3616



28.0123, 0.4458, 0.4763



28.0123, 0.1489, 0.2465



28.0123, 0.1783, 0.1847

Sweetspot

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



28.0138, 0.5096, 0.3616



73.9549, 0.3506, 0.3398



26.1741, 0.3550, 0.2026



15.1494, 0.3572, 0.3414



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.



28.0138, 0.5096, 0.3616



28.9396, 0.5655, 0.3596



51.8487, 0.4385, 0.4424



14.8452, 0.3287, 0.3339



10.8270, 0.6163, 0.3489



0.9313, 0.5887, 0.3707

Inverse Universe

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



48.0779, 0.2237, 0.2850



55.2296, 0.2136, 0.2745



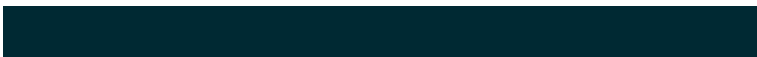
21.1273, 0.1960, 0.1707



15.8071, 0.2981, 0.3241



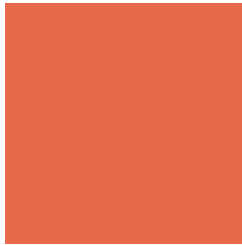
22.5294, 0.2061, 0.2618



1.7921, 0.2091, 0.2727

Previews

White Background



This preview shows how the Yxy color 28.0123, 0.5096, 0.3616 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 28.0123, 0.5096, 0.3616 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 28.0123, 0.5096, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 28.0123, 0.5096, 0.3616.



This preview shows how white text looks on a background with the Yxy color 28.0123, 0.5096, 0.3616.

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

28.0123, 0.5096, 0.3616

Protanopia

28.2245, 0.3849, 0.4180

Deuteranopia

28.1903, 0.4324, 0.4239



Tritanopia

28.1283, 0.4734, 0.3231

Trichromacy



Original Color

28.0123, 0.5096, 0.3616

Protanomaly

27.1714, 0.4320, 0.3954

Deuteranomaly

27.6394, 0.4622, 0.3990

Tritanomaly

27.9195, 0.4873, 0.3369

Monochromacy



Original Color

28.0123, 0.5096, 0.3616

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5835, 0.3815, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0123, 0.5096, 0.3616 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, 107, 75)` looks like.

```
.text, #text, p{  
    color:rgb(231, 107, 75)  
}
```

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, 107, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 107, 75) }
```

Border

The CSS property to change the border of an element to Yxy 28.0123, 0.5096, 0.3616 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, 107, 75) }
```

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

```
.border{ border-color:rgb(231, 107, 75) }
```

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

Here you see how a box with a 4 pixel rgb(231, 107, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 107, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 107, 75);  
box-shadow:4px 4px 4px 4px rgb(231, 107,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0123, 0.5096, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 107, 75) }
```

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

```
.background{ background-color: rgb(231,  
107, 75) }
```

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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