

Converting Colors

$Y_{xy}(27.9001, 0.5104, 0.3718)$

Have a look what the booklet for
Yxy(27.9001, 0.5104, 0.3718)
contains.

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Color

Yxy(27.9001, 0.5104, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	E36E44
RGB	227, 110, 68
RGB Percent	89%, 43%, 27%
CMY	0.1098, 0.5686, 0.7332
CMYK	0.00, 0.52, 0.70, 0.11
HSL	16°, 74%, 58%
HSV	16°, 70%, 89%
XYZ	38.3007, 27.9001, 8.8398
YIQ	140.1950, 83.2140, 11.7420

Conversions

Conversions Part 2

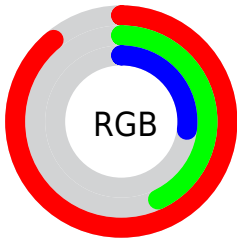
Format	Color
R_{YB}	227, 125, 68
Decimal	14904900
CIE _{Lab}	59.80, 42.59, 44.09
CIE _{LCh}	60, 61.301, 45.986
Yxy	27.9001, 0.5104, 0.3718
Android (android.graphics.Color)	4293094980 (0xFFE36E44)
YUV	140.1950, -35.5921, 76.1280
Hunter-Lab	52.8205, 36.9963, 27.0519

Details

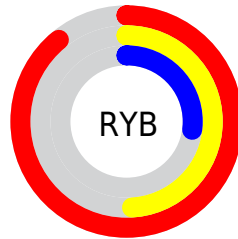
The Yxy color **27.9001, 0.5104, 0.3718** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **41.4906, 0.2182, 0.2694**, and the grayscale version is **26.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1189, 0.4429, 0.3765**, and **11.0796, 0.5686, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **24.4042, 0.5484, 0.3707**, and if you desaturate by 10%, it is **32.1861, 0.4716, 0.3692**.

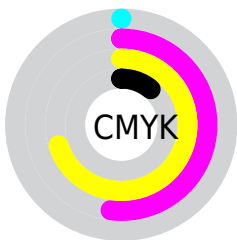
Distribution



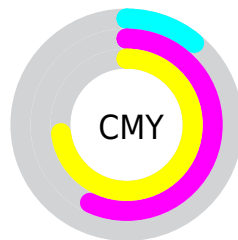
- Red (89%)
- Green (43%)
- Blue (27%)



- Red (89%)
- Yellow (49%)
- Blue (27%)



- Cyan (0%)
- Magenta (52%)
- Yellow (70%)
- Black (11%)




- Cyan (11%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9001, 0.5104, 0.3718 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 27.9001, 0.5104, 0.3718 by changing the saturation by 10% instead.


 27.9001, 0.5104,
0.3718


 27.9001, 0.5104,
0.3718


291.9892, 0.4054,
0.3585


 18.2504, 0.5366,
0.3710


 56.3249, 0.4717,
0.3697

 11.1299, 0.5692,
0.3672


 75.8688, 0.4572,
0.3680


 6.1543, 0.6120,
0.3583

 99.4795, 0.4451,
0.3663

 2.9391, 0.6638,
0.3362

 127.5414, 0.4347,
0.3645

 1.1000, 0.7155,
0.2845

 160.4389, 0.4258,
0.3629

 0.0000, 1.0000,
0.0000

198.5565, 0.4181,

 0.0000, 0.0000,

0.3613

0.0000

242.2785, 0.4113,
0.3598

■ 27.9001, 0.5104,
0.3718

■ 27.9001, 0.5104,
0.3718

■ 24.4042, 0.5484,
0.3707

■ 32.1861, 0.4716,
0.3692

■ 21.6423, 0.5815,
0.3653


■ 37.3039, 0.4349,
0.3640

■ 19.5566, 0.6068,
0.3564


■ 43.2977, 0.4022,
0.3574

■ 50.2070, 0.3738,
0.3501

■ 58.0689, 0.3498,
0.3427

 66.9181, 0.3296,
0.3357

 76.7879, 0.3128,
0.3290

 87.7098, 0.2987,
0.3229

 95.0723, 0.2958,
0.3290

Harmonies

Analogous

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



27.9001, 0.4763, 0.3047



27.9001, 0.5104, 0.3718



27.9001, 0.4801, 0.4421

Triad

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



27.9001, 0.5104, 0.3718



27.9001, 0.2283, 0.4389



27.9001, 0.2035, 0.1841

Complementary

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



27.9001, 0.5104, 0.3718



41.4906, 0.2182, 0.2694

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.



27.9001, 0.1596, 0.1930



27.9001, 0.5104, 0.3718



27.9001, 0.1693, 0.3235

Square

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



27.9001, 0.5104, 0.3718



27.9001, 0.3157, 0.5131



27.9001, 0.1478, 0.2364



27.9001, 0.2820, 0.2029

Rectangle

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



27.9001, 0.5104, 0.3718



27.9001, 0.4346, 0.4852



27.9001, 0.1478, 0.2364



27.9001, 0.1851, 0.1838

Sweetspot

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



27.9016, 0.5104, 0.3718



74.3986, 0.3523, 0.3435



24.0692, 0.3673, 0.2068



15.2968, 0.3587, 0.3456



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.



27.9016, 0.5104, 0.3718



30.0326, 0.5642, 0.3688



52.4027, 0.4362, 0.4522



14.9836, 0.3286, 0.3353



11.5671, 0.6042, 0.3585



1.0037, 0.5755, 0.3812

Inverse Universe

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



41.4906, 0.2182, 0.2694



48.2824, 0.2073, 0.2549



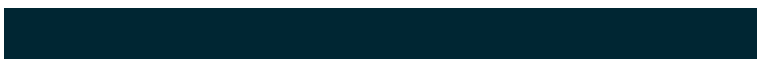
17.4539, 0.1895, 0.1532



15.6587, 0.2981, 0.3226



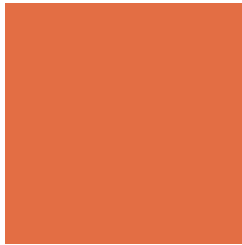
19.5684, 0.2003, 0.2412



1.5958, 0.2043, 0.2556

Previews

White Background



This preview shows how the Yxy color 27.9001, 0.5104, 0.3718 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 27.9001, 0.5104, 0.3718 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 27.9001, 0.5104, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 27.9001, 0.5104, 0.3718.



This preview shows how white text looks on a background with the Yxy color 27.9001, 0.5104, 0.3718.

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

27.9001, 0.5104, 0.3718

Protanopia

28.1862, 0.3944, 0.4303

Deuteranopia

27.8228, 0.4393, 0.4303



Tritanopia

27.9310, 0.4641, 0.3217

Trichromacy



Original Color

27.9001, 0.5104, 0.3718

Protanomaly

27.2009, 0.4381, 0.4069

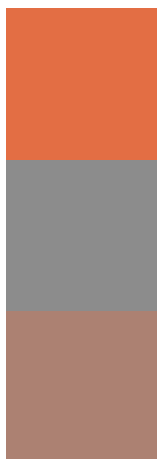
Deuteranomaly

27.2847, 0.4666, 0.4070

Tritanomaly

27.8539, 0.4825, 0.3414

Monochromacy



Original Color

27.9001, 0.5104, 0.3718

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 27.9001, 0.5104, 0.3718 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(227, 110, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 110, 68)  
}
```

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(227, 110, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 110, 68) }
```

Border

The CSS property to change the border of an element to Yxy 27.9001, 0.5104, 0.3718 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(227, 110, 68) }
```

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

```
.border{ border-color:rgb(227, 110, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 110, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 110, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 110, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 110,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9001, 0.5104, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 110, 68) }
```

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

```
.background{ background-color: rgb(227,  
110, 68) }
```

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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