

Converting Colors

$Y_{xy}(29.0327, 0.5082, 0.3695)$

Have a look what the booklet for
Yxy(29.0327, 0.5082, 0.3695)
contains.

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Color

Yxy(29.0451, 0.5079, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	E77048
RGB	231, 112, 72
RGB Percent	91%, 44%, 28%
CMY	0.0940, 0.5608, 0.7175
CMYK	0.00, 0.52, 0.69, 0.09
HSL	15°, 77%, 59%
HSV	15°, 69%, 91%
XYZ	39.9242, 29.0451, 9.6372
YIQ	143.0210, 83.7640, 12.7880

Conversions

Conversions Part 2

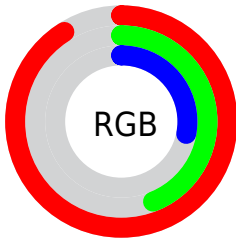
Format	Color
RYB	231, 125, 72
Decimal	15167560
CIELab	60.82, 43.33, 43.32
CIELCh	61, 61.272, 44.993
Yxy	29.0451, 0.5079, 0.3695
Android (android.graphics.Color)	4293357640 (0xFFE77048)
YUV	143.0210, -35.0134, 77.1576
Hunter-Lab	53.8935, 37.9189, 27.1233

Details

The Yxy color **29.0451, 0.5079, 0.3695** 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 **44.4346, 0.2200, 0.2735**, and the grayscale version is **27.5952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9376, 0.4380, 0.3746**, and **11.7369, 0.5652, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **25.3430, 0.5468, 0.3687**, and if you desaturate by 10%, it is **33.5966, 0.4686, 0.3668**.

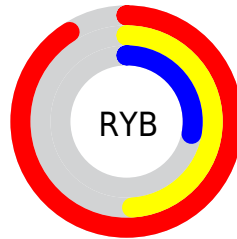
Distribution



Red (91%)

Green (44%)

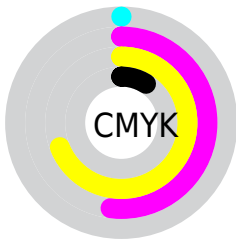
Blue (28%)



Red (91%)

Yellow (49%)

Blue (28%)

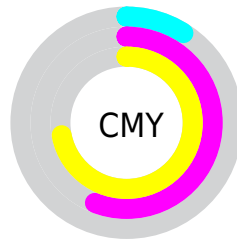


Cyan (0%)

Magenta (52%)

Yellow (69%)

Black (9%)



Cyan (9%)


Magenta (56%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0451, 0.5079, 0.3695 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 29.0451, 0.5079, 0.3695 by changing the saturation by 10% instead.


 29.0451, 0.5079,
0.3695


 29.0451, 0.5079,
0.3695


297.4277, 0.4046,
0.3571


 19.1149, 0.5337,
0.3688


 58.1487, 0.4699,
0.3676

 11.7534, 0.5658,
0.3652


 78.0910, 0.4557,
0.3660


 6.5760, 0.6067,
0.3561


 102.1394, 0.4437,
0.3644

 3.1984, 0.6623,
0.3377

 130.6784, 0.4335,
0.3628

 1.2361, 0.7118,
0.2882

 164.0923, 0.4247,
0.3613

 0.0909, 0.9286,
0.0714

202.7656, 0.4171,

 0.0000, 1.0000,

0.3598

0.0000

247.0826, 0.4105,
0.3584

■ 0.0000, 0.0000,
0.0000

■ 29.0451, 0.5079,
0.3695

■ 29.0451, 0.5079,
0.3695

■ 25.3430, 0.5468,
0.3687

■ 33.5966, 0.4686,
0.3668

■ 22.4299, 0.5810,
0.3637

■ 39.0429, 0.4318,
0.3617

■ 20.2409, 0.6070,
0.3551


■ 45.4316, 0.3992,
0.3553


■ 20.0252, 0.6097,
0.3541


■ 52.8054, 0.3711,
0.3483

■ 61.2044, 0.3473,
0.3413

 70.6663, 0.3275,
0.3346

 81.2271, 0.3109,
0.3283

 92.8015, 0.2981,
0.3243

 95.7321, 0.2982,
0.3290

Harmonies

Analogous

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



29.0451, 0.4718, 0.3031



29.0451, 0.5079, 0.3695



29.0451, 0.4801, 0.4390

Triad

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



29.0451, 0.5079, 0.3695



29.0451, 0.2320, 0.4407



29.0451, 0.2028, 0.1855

Complementary

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



29.0451, 0.5079, 0.3695



44.4346, 0.2200, 0.2735

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.



29.0451, 0.1603, 0.1954



29.0451, 0.5079, 0.3695



29.0451, 0.1723, 0.3273

Square

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



29.0451, 0.5079, 0.3695



29.0451, 0.3191, 0.5113



29.0451, 0.1497, 0.2399



29.0451, 0.2794, 0.2033

Rectangle

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



29.0451, 0.5079, 0.3695



29.0451, 0.4361, 0.4817



29.0451, 0.1497, 0.2399



29.0451, 0.1849, 0.1855

Sweetspot

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



29.0467, 0.5079, 0.3695



74.0535, 0.3524, 0.3429



25.4038, 0.3662, 0.2080



15.2159, 0.3588, 0.3448



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.



29.0467, 0.5079, 0.3695



29.9036, 0.5634, 0.3670



54.8402, 0.4344, 0.4510



14.9537, 0.3286, 0.3350



11.3910, 0.6070, 0.3562



0.9871, 0.5784, 0.3789

Inverse Universe

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



44.4346, 0.2200, 0.2735



49.8881, 0.2089, 0.2596



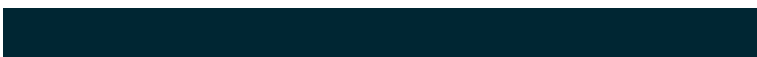
18.6879, 0.1913, 0.1563



15.6906, 0.2981, 0.3230



20.1831, 0.2016, 0.2457



1.6368, 0.2054, 0.2593

Previews

White Background



This preview shows how the Yxy color 29.0451, 0.5079, 0.3695 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 29.0451, 0.5079, 0.3695 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 29.0451, 0.5079, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 29.0451, 0.5079, 0.3695.



This preview shows how white text looks on a background with the Yxy color 29.0451, 0.5079, 0.3695.

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

29.0451, 0.5079, 0.3695

Protanopia

29.1889, 0.3919, 0.4247

Deuteranopia

29.0946, 0.4364, 0.4281



Tritanopia

29.0539, 0.4641, 0.3218

Trichromacy



Original Color

29.0451, 0.5079, 0.3695

Protanomaly

28.1942, 0.4347, 0.4023

Deuteranomaly

28.6620, 0.4641, 0.4050

Tritanomaly

28.9939, 0.4810, 0.3402

Monochromacy



Original Color

29.0451, 0.5079, 0.3695

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.9008, 0.3808, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0451, 0.5079, 0.3695 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, 112, 72)` looks like.

```
.text, #text, p{  
    color:rgb(231, 112, 72)  
}
```

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, 112, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 112, 72) }
```

Border

The CSS property to change the border of an element to Yxy 29.0451, 0.5079, 0.3695 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, 112, 72) }
```

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

```
.border{ border-color:rgb(231, 112, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 112, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 112, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 112, 72);  
box-shadow:4px 4px 4px 4px rgb(231, 112,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0451, 0.5079, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 112, 72) }
```

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

```
.background{ background-color: rgb(231,  
112, 72) }
```

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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