

Converting Colors

$Y_{xy}(29.6894, 0.5294, 0.3970)$

Have a look what the booklet for
Yxy(29.6894, 0.5294, 0.3970)
contains.

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Color

Yxy(29.6196, 0.5299, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	E77426
RGB	231, 116, 38
RGB Percent	91%, 45%, 15%
CMY	0.0942, 0.5450, 0.8512
CMYK	0.00, 0.50, 0.84, 0.09
HSL	24°, 80%, 53%
HSV	24°, 84%, 91%
XYZ	39.5450, 29.6196, 5.4627
YIQ	141.4930, 93.5780, 0.1220

Conversions

Conversions Part 2

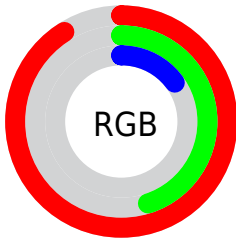
Format	Color
R_{YB}	231, 169, 38
Decimal	15168550
CIE Lab	61.32, 39.97, 59.55
CIE LCh	61, 71.725, 56.130
Yxy	29.6196, 0.5299, 0.3969
Android (android.graphics.Color)	4293358630 (0xFFE77426)
YUV	141.4930, -51.0220, 78.4976
Hunter-Lab	54.4239, 34.4584, 32.1456

Details

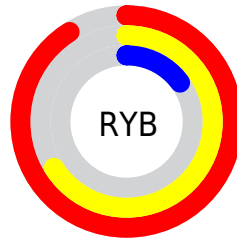
The Yxy color **29.6196, 0.5299, 0.3969** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **28.9341, 0.1966, 0.2139**, and the grayscale version is **27.0175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7476, 0.4610, 0.4071**, and **12.1054, 0.5721, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **26.5748, 0.5563, 0.3910**, and if you desaturate by 10%, it is **33.2296, 0.4993, 0.3974**.

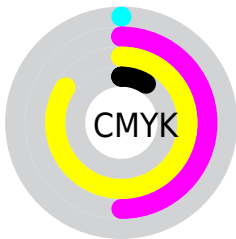
Distribution



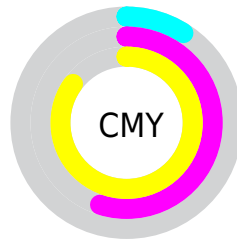
- Red (91%)
- Green (45%)
- Blue (15%)



- Red (91%)
- Yellow (66%)
- Blue (15%)



- Cyan (0%)
- Magenta (50%)
- Yellow (84%)
- Black (9%)





- Cyan (9%)
- Magenta (55%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6196, 0.5299, 0.3969 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 29.6196, 0.5299, 0.3969 by changing the saturation by 10% instead.


 29.6196, 0.5299,
0.3969


 29.6196, 0.5299,
0.3969


300.1273, 0.4198,
0.3757

 19.5500, 0.5543,
0.3960


 59.0601, 0.4915,
0.3935

 12.0684, 0.5826,
0.3909


 79.1998, 0.4764,
0.3909

 6.7903, 0.6192,
0.3808


 103.4650, 0.4634,
0.3881

 3.3313, 0.6491,
0.3509

 132.2401, 0.4523,
0.3854

 1.3070, 0.6955,
0.3045

 165.9094, 0.4425,
0.3827

 0.1466, 0.8865,
0.1135

 204.8575, 0.4340,

 0.0000, 1.0000,

0.3802

0.0000

249.4687, 0.4265,
0.3779

■ 0.0000, 0.0000,
0.0000

■ 29.6196, 0.5299,
0.3969

■ 29.6196, 0.5299,
0.3969

■ 26.5748, 0.5563,
0.3910

■ 33.2296, 0.4993,
0.3974


■ 24.8877, 0.5708,
0.3850

■ 37.4341, 0.4670,
0.3932


■ 42.2651, 0.4354,
0.3856


■ 47.7505, 0.4059,
0.3758

■ 53.9163, 0.3793,
0.3649

 60.7866, 0.3560,
0.3538

 68.3845, 0.3357,
0.3429

 76.7318, 0.3183,
0.3325

 85.8493, 0.3034,
0.3229

Harmonies

Analogous

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



29.6196, 0.5211, 0.3227



29.6196, 0.5299, 0.3969



29.6196, 0.4725, 0.4760

Triad

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



29.6196, 0.5299, 0.3969



29.6196, 0.1890, 0.4107



29.6196, 0.2151, 0.1725

Complementary

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



29.6196, 0.5299, 0.3969



28.9341, 0.1966, 0.2139

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.



29.6196, 0.1552, 0.1706



29.6196, 0.5299, 0.3969



29.6196, 0.1402, 0.2809

Square

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



29.6196, 0.5299, 0.3969



29.6196, 0.2771, 0.5262



29.6196, 0.1310, 0.2022



29.6196, 0.3146, 0.2021

Rectangle

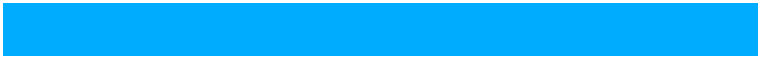
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6196, 0.5299, 0.3969



29.6196, 0.4130, 0.5228



29.6196, 0.1310, 0.2022



29.6196, 0.1907, 0.1686

Sweetspot

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



29.6212, 0.5299, 0.3969



74.6752, 0.3594, 0.3555



20.6945, 0.4264, 0.2236



15.3221, 0.3675, 0.3595



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.



29.6212, 0.5299, 0.3969



30.9867, 0.5717, 0.3843



64.0513, 0.4300, 0.4852



15.3201, 0.3282, 0.3386



14.1838, 0.5680, 0.3872



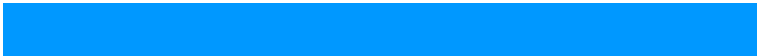
1.2265, 0.5415, 0.4083

Inverse Universe

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



28.9341, 0.1966, 0.2139



29.6339, 0.1856, 0.1879



9.1316, 0.1632, 0.0893



15.3073, 0.2981, 0.3193



13.6062, 0.1864, 0.1911



1.1866, 0.1926, 0.2133

Previews

White Background



This preview shows how the Yxy color 29.6196, 0.5299, 0.3969 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 29.6196, 0.5299, 0.3969 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 29.6196, 0.5299, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 29.6196, 0.5299, 0.3969.



This preview shows how white text looks on a background with the Yxy color 29.6196, 0.5299, 0.3969.

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

29.6196, 0.5299, 0.3969

Protanopia

29.7991, 0.4235, 0.4679

Deuteranopia

29.6891, 0.4646, 0.4567



Tritanopia

29.6907, 0.4613, 0.3218

Trichromacy



Original Color

29.6196, 0.5299, 0.3969

Protanomaly

29.0129, 0.4646, 0.4402

Deuteranomaly

29.2928, 0.4903, 0.4337

Tritanomaly

29.6166, 0.4926, 0.3545

Monochromacy



Original Color

29.6196, 0.5299, 0.3969

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5007, 0.3949, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6196, 0.5299, 0.3969 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, 116, 38)` looks like.

```
.text, #text, p{  
    color:rgb(231, 116, 38)  
}
```

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, 116, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 116, 38) }
```

Border

The CSS property to change the border of an element to Yxy 29.6196, 0.5299, 0.3969 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, 116, 38) }
```

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

```
.border{ border-color:rgb(231, 116, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 116, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 116, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 116, 38);  
box-shadow:4px 4px 4px 4px rgb(231, 116,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6196, 0.5299, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 116, 38) }
```

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

```
.background{ background-color: rgb(231,  
116, 38) }
```

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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