

Converting Colors

$Yxy(28.8768, 0.5339, 0.3908)$

Have a look what the booklet for
Yxy(28.8768, 0.5339, 0.3908)
contains.

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Color

Yxy(28.9042, 0.5336, 0.3907)

Conversions

Conversions Part 1

Format	Color
Hex	E87029
RGB	232, 112, 41
RGB Percent	91%, 44%, 16%
CMY	0.0902, 0.5608, 0.8390
CMYK	0.00, 0.52, 0.82, 0.09
HSL	22°, 81%, 54%
HSV	22°, 82%, 91%
XYZ	39.4760, 28.9042, 5.6003
YIQ	139.7860, 94.3110, 3.3590

Conversions

Conversions Part 2

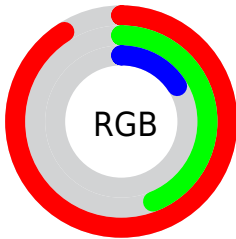
Format	Color
R _Y B	232, 154, 41
Decimal	15233065
CIE Lab	60.70, 42.46, 57.86
CIE LCh	61, 71.766, 53.726
Yxy	28.9042, 0.5336, 0.3907
Android (android.graphics.Color)	4293423145 (0xFFE87029)
YUV	139.7860, -48.7015, 80.8717
Hunter-Lab	53.7626, 36.9817, 31.4577

Details

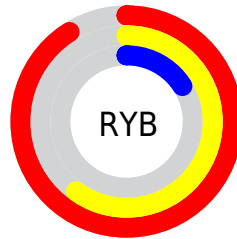
The Yxy color **28.9042, 0.5336, 0.3907** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **31.8086, 0.2002, 0.2255**, and the grayscale version is **26.3057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3227, 0.4620, 0.4008**, and **11.6667, 0.5809, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **25.8273, 0.5619, 0.3849**, and if you desaturate by 10%, it is **32.6006, 0.5010, 0.3912**.

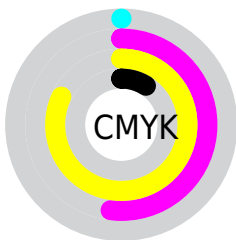
Distribution



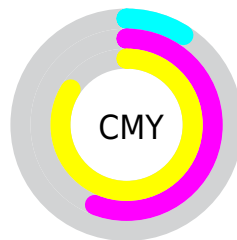
- Red (91%)
- Green (44%)
- Blue (16%)



- Red (91%)
- Yellow (60%)
- Blue (16%)



- Cyan (0%)
- Magenta (52%)
- Yellow (82%)
- Black (9%)





- Cyan (9%)
- Magenta (56%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9042, 0.5336, 0.3907 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 28.9042, 0.5336, 0.3907 by changing the saturation by 10% instead.


 28.9042, 0.5336,
0.3907


 28.9042, 0.5336,
0.3907


296.7627, 0.4207,
0.3726

 19.0084, 0.5590,
0.3890


 57.9248, 0.4939,
0.3884

 11.6763, 0.5887,
0.3830


 77.8184, 0.4784,
0.3862

 6.5237, 0.6279,
0.3721


 101.8134, 0.4651,
0.3838

 3.1660, 0.6598,
0.3402

 130.2941, 0.4537,
0.3813

 1.2190, 0.7092,
0.2908

 163.6450, 0.4438,
0.3790

 0.0772, 0.9366,
0.0634

 202.2505, 0.4351,

 0.0000, 1.0000,

0.3767

0.0000

246.4949, 0.4275,
0.3746

■ 0.0000, 0.0000,
0.0000

■ 28.9042, 0.5336,
0.3907

■ 28.9042, 0.5336,
0.3907

■ 25.8273, 0.5619,
0.3849

■ 32.6006, 0.5010,
0.3912


■ 23.8453, 0.5800,
0.3776


■ 36.9497, 0.4671,
0.3873


■ 41.9872, 0.4343,
0.3801


■ 47.7443, 0.4040,
0.3709

■ 54.2501, 0.3771,
0.3608

 61.5320, 0.3537,
0.3505

 69.6156, 0.3335,
0.3406

 78.5257, 0.3163,
0.3311

 88.2856, 0.3017,
0.3223

Harmonies

Analogous

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



28.9042, 0.5186, 0.3167



28.9042, 0.5336, 0.3907



28.9042, 0.4796, 0.4703

Triad

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



28.9042, 0.5336, 0.3907



28.9042, 0.1938, 0.4229



28.9042, 0.2080, 0.1703

Complementary

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



28.9042, 0.5336, 0.3907



31.8086, 0.2002, 0.2255

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.



28.9042, 0.1510, 0.1707



28.9042, 0.5336, 0.3907



28.9042, 0.1414, 0.2892

Square

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



28.9042, 0.5336, 0.3907



28.9042, 0.2847, 0.5335



28.9042, 0.1294, 0.2056



28.9042, 0.3052, 0.1979

Rectangle

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



28.9042, 0.5336, 0.3907



28.9042, 0.4211, 0.5192



28.9042, 0.1294, 0.2056



28.9042, 0.1847, 0.1671

Sweetspot

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



28.9058, 0.5336, 0.3907



73.6011, 0.3599, 0.3534



21.3546, 0.4138, 0.2177



15.0686, 0.3682, 0.3571



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.



28.9058, 0.5336, 0.3907



29.6950, 0.5787, 0.3779



61.7242, 0.4343, 0.4797



15.2408, 0.3283, 0.3378



13.4584, 0.5771, 0.3800



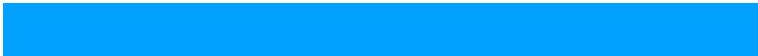
1.1678, 0.5496, 0.4018

Inverse Universe

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



31.8086, 0.2002, 0.2255



32.7968, 0.1894, 0.2012



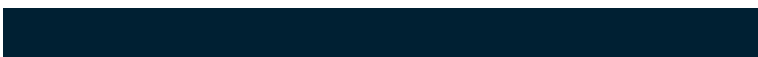
10.2552, 0.1661, 0.0976



15.3890, 0.2981, 0.3201



14.8622, 0.1897, 0.2028



1.2748, 0.1954, 0.2233

Previews

White Background



This preview shows how the Yxy color 28.9042, 0.5336, 0.3907 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 28.9042, 0.5336, 0.3907 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 28.9042, 0.5336, 0.3907

Background



This preview shows how black text looks on a background with the Yxy color 28.9042, 0.5336, 0.3907.



This preview shows how white text looks on a background with the Yxy color 28.9042, 0.5336, 0.3907.

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

28.9042, 0.5336, 0.3907

Protanopia

28.9902, 0.4209, 0.4636

Deuteranopia

28.8733, 0.4635, 0.4540



Tritanopia

28.9352, 0.4700, 0.3220

Trichromacy



Original Color

28.9042, 0.5336, 0.3907

Protanomaly

28.0742, 0.4646, 0.4344

Deuteranomaly

28.3726, 0.4913, 0.4289

Tritanomaly

28.8894, 0.4992, 0.3519

Monochromacy



Original Color

28.9042, 0.5336, 0.3907

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.8490, 0.3949, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9042, 0.5336, 0.3907 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(232, 112, 41)` looks like.

```
.text, #text, p{  
    color:rgb(232, 112, 41)  
}
```

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(232, 112, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 112, 41) }
```

Border

The CSS property to change the border of an element to Yxy 28.9042, 0.5336, 0.3907 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(232, 112, 41) }
```

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

```
.border{ border-color:rgb(232, 112, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 112, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 112, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 112, 41);  
box-shadow:4px 4px 4px 4px rgb(232, 112,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9042, 0.5336, 0.3907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 112, 41) }
```

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

```
.background{ background-color: rgb(232,  
112, 41) }
```

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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