

Converting Colors

$Y_{xy}(29.3889, 0.5216, 0.3992)$

Have a look what the booklet for
Yxy(29.3889, 0.5216, 0.3992)
contains.

Yxy(29.2928, 0.5214, 0.3992)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.2928, 0.5214, 0.3992)

Conversions

Conversions Part 1

Format	Color
Hex	E2762A
RGB	226, 118, 42
RGB Percent	89%, 46%, 16%
CMY	0.1137, 0.5372, 0.8354
CMYK	0.00, 0.48, 0.81, 0.11
HSL	25°, 76%, 53%
HSV	25°, 81%, 89%
XYZ	38.2597, 29.2928, 5.8263
YIQ	141.6280, 88.7640, -0.7400

Conversions

Conversions Part 2

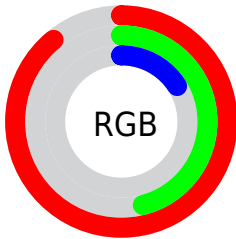
Format	Color
R _Y B	226, 171, 42
Decimal	14841386
CIE Lab	61.04, 37.11, 57.46
CIE LCh	61, 68.404, 57.141
Yxy	29.2928, 0.5214, 0.3992
Android (android.graphics.Color)	4293031466 (0xFFE2762A)
YUV	141.6280, -49.1166, 73.9942
Hunter-Lab	54.1228, 31.4676, 31.5035

Details

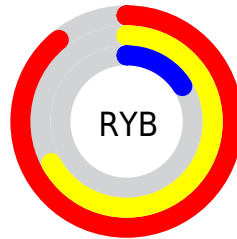
The Yxy color **29.2928, 0.5214, 0.3992** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.7864, 0.1978, 0.2148**, and the grayscale version is **27.0676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1940, 0.4573, 0.4049**, and **11.9068, 0.5657, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **26.2682, 0.5485, 0.3947**, and if you desaturate by 10%, it is **32.8509, 0.4907, 0.3984**.

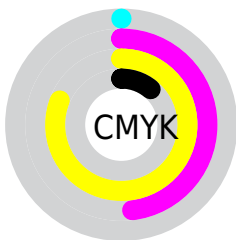
Distribution



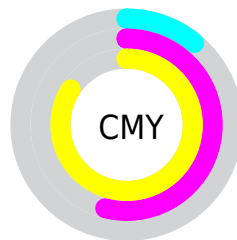
- Red (89%)
- Green (46%)
- Blue (16%)



- Red (89%)
- Yellow (67%)
- Blue (16%)



- Cyan (0%)
- Magenta (48%)
- Yellow (81%)
- Black (11%)





- Cyan (11%)
- Magenta (54%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2928, 0.5214, 0.3992 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 29.2928, 0.5214, 0.3992 by changing the saturation by 10% instead.


 29.2928, 0.5214,
0.3992


 29.2928, 0.5214,
0.3992


298.5940, 0.4149,
0.3754

 19.3024, 0.5454,
0.3993


 58.5420, 0.4839,
0.3945

 11.8890, 0.5734,
0.3957


 78.5696, 0.4693,
0.3915


 6.6681, 0.6115,
0.3885


 102.7117, 0.4568,
0.3884

 3.2554, 0.6402,
0.3598

 131.3527, 0.4460,
0.3855

 1.2665, 0.6854,
0.3146

 164.8771, 0.4367,
0.3827

 0.1150, 0.8993,
0.1007

 203.6691, 0.4285,

 0.0000, 0.0000,

0.3801

0.0000

248.1133, 0.4213,
0.3777

■ 29.2928, 0.5214,
0.3992

■ 29.2928, 0.5214,
0.3992

■ 26.2682, 0.5485,
0.3947

■ 32.8509, 0.4907,
0.3984

■ 24.0623, 0.5681,
0.3871

■ 36.9682, 0.4588,
0.3931

■ 41.6739, 0.4280,
0.3847

■ 46.9931, 0.3994,
0.3744

■ 52.9493, 0.3737,
0.3632

■ 59.5645, 0.3512,
0.3519

■ 66.8597, 0.3317,
0.3408

■ 74.8548, 0.3149,
0.3304

■ 83.5687, 0.3005,
0.3207

Harmonies

Analogous

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



29.2928, 0.5142, 0.3265



29.2928, 0.5214, 0.3992



29.2928, 0.4656, 0.4751

Triad

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



29.2928, 0.5214, 0.3992



29.2928, 0.1918, 0.4027



29.2928, 0.2214, 0.1779

Complementary

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



29.2928, 0.5214, 0.3992



27.7864, 0.1978, 0.2148

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.



29.2928, 0.1616, 0.1754



29.2928, 0.5214, 0.3992



29.2928, 0.1451, 0.2802

Square

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



29.2928, 0.5214, 0.3992



29.2928, 0.2764, 0.5142



29.2928, 0.1368, 0.2054



29.2928, 0.3187, 0.2077

Rectangle

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



29.2928, 0.5214, 0.3992



29.2928, 0.4080, 0.5181



29.2928, 0.1368, 0.2054



29.2928, 0.1972, 0.1739

Sweetspot

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



29.2944, 0.5214, 0.3992



75.8534, 0.3571, 0.3549



20.1029, 0.4222, 0.2240



15.5648, 0.3651, 0.3590



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.



29.2944, 0.5214, 0.3992



32.0695, 0.5649, 0.3882



61.2504, 0.4283, 0.4837



14.6261, 0.3282, 0.3387



13.9492, 0.5653, 0.3893



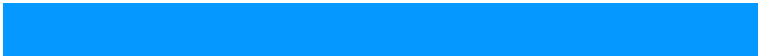
1.1403, 0.5377, 0.4113

Inverse Universe

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



27.7864, 0.1978, 0.2148



29.6294, 0.1858, 0.1879



9.2549, 0.1657, 0.0940



14.5733, 0.2981, 0.3191



12.8841, 0.1856, 0.1882



1.0683, 0.1923, 0.2121

Previews

White Background



This preview shows how the Yxy color 29.2928, 0.5214, 0.3992 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 29.2928, 0.5214, 0.3992 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 29.2928, 0.5214, 0.3992

Background



This preview shows how black text looks on a background with the Yxy color 29.2928, 0.5214, 0.3992.



This preview shows how white text looks on a background with the Yxy color 29.2928, 0.5214, 0.3992.

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

29.2928, 0.5214, 0.3992

Protanopia

29.4094, 0.4210, 0.4640

Deuteranopia

29.3051, 0.4620, 0.4528



Tritanopia

29.1179, 0.4530, 0.3204

Trichromacy



Original Color

29.2928, 0.5214, 0.3992

Protanomaly

28.6614, 0.4590, 0.4392

Deuteranomaly

29.0474, 0.4855, 0.4319

Tritanomaly

29.0424, 0.4849, 0.3543

Monochromacy



Original Color

29.2928, 0.5214, 0.3992

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.6999, 0.3908, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2928, 0.5214, 0.3992 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(226, 118, 42)` looks like.

```
.text, #text, p{  
    color:rgb(226, 118, 42)  
}
```

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(226, 118, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 118, 42) }
```

Border

The CSS property to change the border of an element to Yxy 29.2928, 0.5214, 0.3992 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(226, 118, 42) }
```

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

```
.border{ border-color:rgb(226, 118, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 118, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 118, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 118, 42);  
box-shadow:4px 4px 4px 4px rgb(226, 118,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2928, 0.5214, 0.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 118, 42) }
```

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

```
.background{ background-color: rgb(226,  
118, 42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor