

Converting Colors

$Yxy(29.2869, 0.5043, 0.4073)$

Have a look what the booklet for
Yxy(29.2869, 0.5043, 0.4073)
contains.

Yxy(29.3643, 0.5043, 0.4077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3643, 0.5043, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	D97C2E
RGB	217, 124, 46
RGB Percent	85%, 49%, 18%
CMY	0.1489, 0.5138, 0.8196
CMYK	0.00, 0.43, 0.79, 0.15
HSL	27°, 69%, 52%
HSV	27°, 79%, 85%
XYZ	36.3218, 29.3643, 6.3381
YIQ	142.9150, 80.4660, -4.5420

Conversions

Conversions Part 2

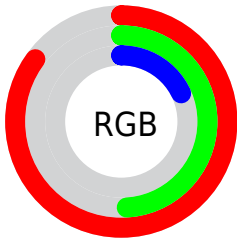
Format	Color
RYB	217, 189, 46
Decimal	14253102
CIELab	61.10, 30.50, 55.42
CIElCh	61, 63.263, 61.173
Yxy	29.3643, 0.5043, 0.4077
Android (android.graphics.Color)	4292443182 (0xFFD97C2E)
YUV	142.9150, -47.7791, 64.9725
Hunter-Lab	54.1888, 24.8150, 30.9974

Details

The Yxy color **29.3643, 0.5043, 0.4077** 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 **24.0676, 0.1972, 0.2074**, and the grayscale version is **27.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5673, 0.4505, 0.4082**, and **11.9655, 0.5462, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **26.4520, 0.5306, 0.4056**, and if you desaturate by 10%, it is **32.7204, 0.4753, 0.4046**.

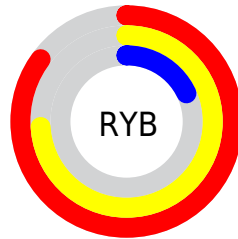
Distribution



Red (85%)

Green (49%)

Blue (18%)



Red (85%)

Yellow (74%)

Blue (18%)

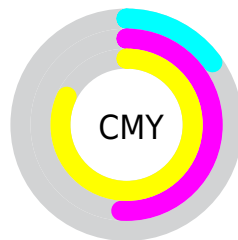


Cyan (0%)

Magenta (43%)

Yellow (79%)

Black (15%)



Cyan (15%)

Magenta (51%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3643, 0.5043, 0.4077 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 29.3643, 0.5043, 0.4077 by changing the saturation by 10% instead.


 29.3643, 0.5043,
0.4077


 29.3643, 0.5043,
0.4077


298.9300, 0.4062,
0.3774


 19.3566, 0.5267,
0.4102


 58.6554, 0.4696,
0.4000

 11.9282, 0.5530,
0.4098


 78.7075, 0.4561,
0.3961


 6.6948, 0.5912,
0.4088


 102.8766, 0.4446,
0.3923

 3.2720, 0.6161,
0.3839

 131.5471, 0.4347,
0.3888

 1.2753, 0.6559,
0.3441

 165.1032, 0.4261,
0.3855

 0.1220, 0.8759,
0.1241

 203.9295, 0.4187,

 0.0000, 0.0000,

0.3826

0.0000

248.4103, 0.4120,
0.3798

■ 29.3643, 0.5043,
0.4077

■ 29.3643, 0.5043,
0.4077

■ 26.4520, 0.5306,
0.4056

■ 32.7204, 0.4753,
0.4046

■ 23.9485, 0.5527,
0.3983


■ 36.5390, 0.4456,
0.3974

■ 23.6730, 0.5552,
0.3973


■ 40.8427, 0.4170,
0.3873

■ 45.6507, 0.3904,
0.3756

■ 50.9811, 0.3665,
0.3633

 56.8511, 0.3454,
0.3509

 63.2766, 0.3269,
0.3390

 70.2731, 0.3109,
0.3277

 77.8552, 0.2971,
0.3172

Harmonies

Analogous

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



29.3643, 0.5048, 0.3378



29.3643, 0.5043, 0.4077



29.3643, 0.4481, 0.4770

Triad

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



29.3643, 0.5043, 0.4077



29.3643, 0.1922, 0.3809



29.3643, 0.2380, 0.1889

Complementary

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



29.3643, 0.5043, 0.4077



24.0676, 0.1972, 0.2074

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.



29.3643, 0.1761, 0.1831



29.3643, 0.5043, 0.4077



29.3643, 0.1521, 0.2728

Square

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



29.3643, 0.5043, 0.4077



29.3643, 0.2685, 0.4883



29.3643, 0.1481, 0.2079



29.3643, 0.3330, 0.2206

Rectangle

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



29.3643, 0.5043, 0.4077



29.3643, 0.3926, 0.5115



29.3643, 0.1481, 0.2079



29.3643, 0.2134, 0.1839

Sweetspot

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



29.3659, 0.5043, 0.4077



77.2337, 0.3565, 0.3576



18.6051, 0.4316, 0.2338



15.8938, 0.3643, 0.3620



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.



29.3659, 0.5043, 0.4077



35.5088, 0.5465, 0.4008



60.2963, 0.4191, 0.4879



14.0248, 0.3280, 0.3397



14.5324, 0.5528, 0.3992



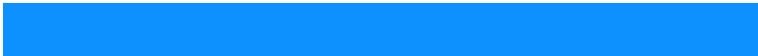
1.1123, 0.5256, 0.4209

Inverse Universe

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



24.0676, 0.1972, 0.2074



27.4113, 0.1834, 0.1779



8.2820, 0.1671, 0.0923



13.7851, 0.2982, 0.3181



11.0964, 0.1815, 0.1734



0.8904, 0.1892, 0.2010

Previews

White Background



This preview shows how the Yxy color 29.3643, 0.5043, 0.4077 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 29.3643, 0.5043, 0.4077 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 29.3643, 0.5043, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 29.3643, 0.5043, 0.4077.



This preview shows how white text looks on a background with the Yxy color 29.3643, 0.5043, 0.4077.

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

29.3643, 0.5043, 0.4077

Protanopia

29.4271, 0.4197, 0.4622

Deuteranopia

29.3485, 0.4585, 0.4484



Tritanopia

29.3182, 0.4332, 0.3199

Trichromacy



Original Color

29.3643, 0.5043, 0.4077

Protanomaly

28.8859, 0.4516, 0.4410

Deuteranomaly

29.0877, 0.4759, 0.4330

Tritanomaly

29.2538, 0.4651, 0.3560

Monochromacy



Original Color

29.3643, 0.5043, 0.4077

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.2371, 0.3833, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3643, 0.5043, 0.4077 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(217, 124, 46)` looks like.

```
.text, #text, p{  
    color:rgb(217, 124, 46)  
}
```

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(217, 124, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 124, 46) }
```

Border

The CSS property to change the border of an element to Yxy 29.3643, 0.5043, 0.4077 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(217, 124, 46) }
```

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

```
.border{ border-color:rgb(217, 124, 46) }
```

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

Here you see how a box with a 4 pixel rgb(217, 124, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 124, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 124, 46);  
box-shadow:4px 4px 4px 4px rgb(217, 124,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3643, 0.5043, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 124, 46) }
```

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

```
.background{ background-color: rgb(217,  
124, 46) }
```

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