

Converting Colors

$Y_{xy}(29.8269, 0.5313, 0.4073)$

Have a look what the booklet for
Yxy(29.8269, 0.5313, 0.4073)
contains.

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Color

Yxy(29.9135, 0.5315, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	E57717
RGB	229, 119, 23
RGB Percent	90%, 47%, 9%
CMY	0.1020, 0.5333, 0.9102
CMYK	0.00, 0.48, 0.90, 0.10
HSL	28°, 82%, 49%
HSV	28°, 90%, 90%
XYZ	39.0639, 29.9135, 4.5201
YIQ	140.9460, 96.3760, -6.5360

Conversions

Conversions Part 2

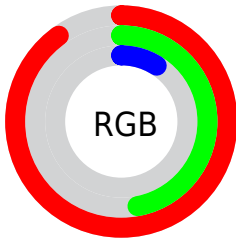
Format	Color
R_{YB}	229, 203, 23
Decimal	15038231
CIE Lab	61.58, 37.35, 64.51
CIE LCh	62, 74.542, 59.926
Yxy	29.9135, 0.5315, 0.4070
Android (android.graphics.Color)	4293228311 (0xFFE57717)
YUV	140.9460, -58.1474, 77.2234
Hunter-Lab	54.6932, 31.7782, 33.3853

Details

The Yxy color **29.9135, 0.5315, 0.4070** 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 **22.5835, 0.1863, 0.1840**, and the grayscale version is **26.8148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7263, 0.4652, 0.4175**, and **12.2412, 0.5656, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **27.1291, 0.5527, 0.3993**, and if you desaturate by 10%, it is **33.1481, 0.5062, 0.4097**.

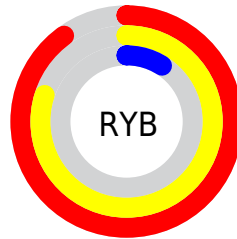
Distribution



Red (90%)

Green (47%)

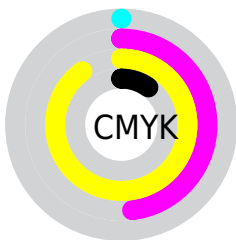
Blue (9%)



Red (90%)

Yellow (80%)

Blue (9%)

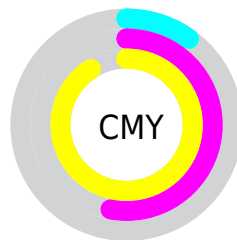


Cyan (0%)

Magenta (48%)

Yellow (90%)

Black (10%)



Cyan (10%)


Magenta (53%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9135, 0.5315, 0.4070 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 29.9135, 0.5315, 0.4070 by changing the saturation by 10% instead.


 29.9135, 0.5315,
0.4070


 29.9135, 0.5315,
0.4070


301.5010, 0.4227,
0.3823


 19.7729, 0.5545,
0.4062

 59.5254, 0.4943,
0.4029


 12.2301, 0.5817,
0.4018


 79.7654, 0.4794,
0.3998


 6.9006, 0.6109,
0.3891


 104.1408, 0.4666,
0.3966

 3.4000, 0.6392,
0.3608

 133.0359, 0.4554,
0.3934

 1.3440, 0.6833,
0.3167

 166.8351, 0.4456,
0.3903

 0.1749, 0.8629,
0.1371

 205.9227, 0.4370,


 0.0000, 1.0000,


0.3875


0.0000


 250.6833, 0.4294,
0.3848

 0.0000, 0.0000,
0.0000

 29.9135, 0.5315,
0.4070


 29.9135, 0.5315,
0.4070


 27.1291, 0.5527,
0.3993

 33.1481, 0.5062,
0.4097

 36.8646, 0.4778,
0.4071

 41.0908, 0.4485,
0.4001

 45.8503, 0.4200,
0.3901

 51.1645, 0.3933,
0.3783

■ 57.0536, 0.3692,
0.3657

■ 63.5364, 0.3478,
0.3529

■ 70.6308, 0.3290,
0.3406

■ 78.3538, 0.3127,
0.3290

Harmonies

Analogous

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



29.9135, 0.5339, 0.3306



29.9135, 0.5315, 0.4070



29.9135, 0.4650, 0.4888

Triad

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



29.9135, 0.5315, 0.4070



29.9135, 0.1761, 0.3949



29.9135, 0.2227, 0.1708

Complementary

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



29.9135, 0.5315, 0.4070



22.5835, 0.1863, 0.1840

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.



29.9135, 0.1567, 0.1650



29.9135, 0.5315, 0.4070



29.9135, 0.1323, 0.2651

Square

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



29.9135, 0.5315, 0.4070



29.9135, 0.2620, 0.5243



29.9135, 0.1278, 0.1919



29.9135, 0.3297, 0.2044

Rectangle

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



29.9135, 0.5315, 0.4070



29.9135, 0.4016, 0.5355



29.9135, 0.1278, 0.1919



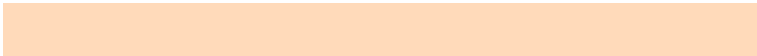
29.9135, 0.1961, 0.1656

Sweetspot

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



29.9151, 0.5315, 0.4070



75.0873, 0.3628, 0.3620



19.0517, 0.4564, 0.2345



15.4854, 0.3706, 0.3664



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.



29.9151, 0.5315, 0.4070



34.4326, 0.5536, 0.3986



67.2236, 0.4254, 0.4955



15.4704, 0.3281, 0.3400



15.7472, 0.5502, 0.4014



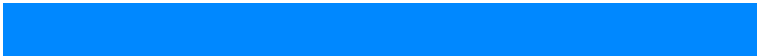
1.3481, 0.5262, 0.4204

Inverse Universe

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



22.5835, 0.1863, 0.1840



24.8533, 0.1795, 0.1660



6.9372, 0.1556, 0.0718



15.1545, 0.2981, 0.3178



11.4662, 0.1804, 0.1696



1.0329, 0.1874, 0.1947

Previews

White Background



This preview shows how the Yxy color 29.9135, 0.5315, 0.4070 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 29.9135, 0.5315, 0.4070 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 29.9135, 0.5315, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 29.9135, 0.5315, 0.4070.



This preview shows how white text looks on a background with the Yxy color 29.9135, 0.5315, 0.4070.

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

29.9135, 0.5315, 0.4070

Protanopia

30.2365, 0.4318, 0.4782

Deuteranopia

29.8686, 0.4728, 0.4628



Tritanopia

30.0244, 0.4551, 0.3206

Trichromacy



Original Color

29.9135, 0.5315, 0.4070

Protanomaly

29.4962, 0.4694, 0.4514

Deuteranomaly

29.6300, 0.4964, 0.4412

Tritanomaly

29.8305, 0.4944, 0.3606

Monochromacy



Original Color

29.9135, 0.5315, 0.4070

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5411, 0.3999, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9135, 0.5315, 0.4070 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(229, 119, 23)` looks like.

```
.text, #text, p{  
    color:rgb(229, 119, 23)  
}
```

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(229, 119, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 119, 23) }
```

Border

The CSS property to change the border of an element to Yxy 29.9135, 0.5315, 0.4070 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(229, 119, 23) }
```

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

```
.border{ border-color:rgb(229, 119, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 119, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 119, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 119, 23);  
box-shadow:4px 4px 4px 4px rgb(229, 119,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9135, 0.5315, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 119, 23) }
```

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

```
.background{ background-color: rgb(229,  
119, 23) }
```

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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