

Converting Colors

$Yxy(28.7996, 0.5428, 0.4072)$

Have a look what the booklet for
Yxy(28.7996, 0.5428, 0.4072)
contains.

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Color

Yxy(28.6926, 0.5434, 0.4068)

Conversions

Conversions Part 1

Format	Color
Hex	E57200
RGB	229, 114, 0
RGB Percent	90%, 45%, 0%
CMY	0.1020, 0.5529, 1.0000
CMYK	0.00, 0.50, 1.00, 0.10
HSL	30°, 100%, 45%
HSV	30°, 100%, 90%
XYZ	38.3273, 28.6926, 3.5125
YIQ	135.3890, 105.1340, -11.0740

Conversions

Conversions Part 2

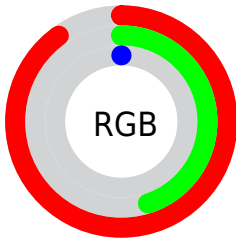
Format	Color
R_{YB}	229, 227, 0
Decimal	15036928
CIE _{Lab}	60.51, 39.62, 68.25
CIE _{LCh}	61, 78.910, 59.866
Yxy	28.6926, 0.5434, 0.4068
Android (android.graphics.Color)	4293227008 (0xFFE57200)
YUV	135.3890, -66.7468, 82.0968
Hunter-Lab	53.5655, 33.9813, 33.6079

Details

The Yxy color **28.6926, 0.5434, 0.4068** 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 **17.9121, 0.1767, 0.1562**, and the grayscale version is **24.6069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3271, 0.4771, 0.4193**, and **11.6620, 0.5740, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **28.6946, 0.5433, 0.4068**, and if you desaturate by 10%, it is **31.5154, 0.5234, 0.4138**.

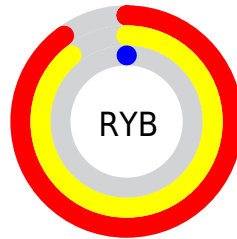
Distribution



Red (90%)

Green (45%)

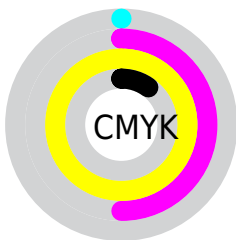
Blue (0%)



Red (90%)

Yellow (89%)

Blue (0%)

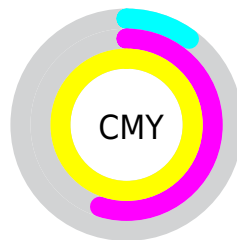


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6926, 0.5434, 0.4068 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 28.6926, 0.5434, 0.4068 by changing the saturation by 10% instead.


 28.6926, 0.5434,
0.4068


 28.6926, 0.5434,
0.4068


295.7618, 0.4297,
0.3848


 18.8484, 0.5665,
0.4043


 57.5883, 0.5051,
0.4045

 11.5608, 0.5967,
0.3995


 77.4086, 0.4896,
0.4018

 6.4454, 0.6202,
0.3798


 101.3231, 0.4761,
0.3989

 3.1177, 0.6509,
0.3491

 129.7162, 0.4643,
0.3958

 1.1935, 0.6989,
0.3011

 162.9722, 0.4540,
0.3929


 0.0564, 0.9483,
0.0517

 201.4755, 0.4449,

 0.0000, 0.0000,


0.3900


0.0000

 245.6106, 0.4369,
0.3873


 28.6926, 0.5434,
0.4068


 28.6926, 0.5434,
0.4068


 28.6946, 0.5433,
0.4068

 31.5154, 0.5234,
0.4138

 34.7464, 0.4996,
0.4158

 38.4219, 0.4729,
0.4125

 42.5655, 0.4451,
0.4048

 47.1988, 0.4177,
0.3941

■ 52.3409, 0.3920,
0.3815

■ 58.0102, 0.3685,
0.3680

■ 64.2235, 0.3475,
0.3545

■ 70.9970, 0.3289,
0.3414

Harmonies

Analogous

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



28.6926, 0.5486, 0.3278



28.6926, 0.5434, 0.4068



28.6926, 0.4707, 0.4944

Triad

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



28.6926, 0.5434, 0.4068



28.6926, 0.1672, 0.3996



28.6926, 0.2168, 0.1627

Complementary

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



28.6926, 0.5434, 0.4068



17.9121, 0.1767, 0.1562

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.



28.6926, 0.1484, 0.1564



28.6926, 0.5434, 0.4068



28.6926, 0.1228, 0.2595

Square

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



28.6926, 0.5434, 0.4068



28.6926, 0.2567, 0.5414



28.6926, 0.1188, 0.1834



28.6926, 0.3299, 0.1974

Rectangle

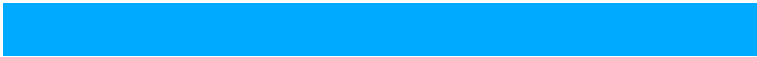
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.6926, 0.5434, 0.4068



28.6926, 0.4031, 0.5470



28.6926, 0.1188, 0.1834



28.6926, 0.1891, 0.1573

Sweetspot

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



28.6946, 0.5433, 0.4068



73.9091, 0.3689, 0.3683



17.9718, 0.4917, 0.2482



15.1459, 0.3786, 0.3740



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.



28.6946, 0.5433, 0.4068



36.4301, 0.5442, 0.4061



70.6006, 0.4223, 0.5029



15.5475, 0.3280, 0.3407



16.6485, 0.5410, 0.4087



1.4160, 0.5185, 0.4265

Inverse Universe

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



17.9121, 0.1767, 0.1562



22.6670, 0.1765, 0.1552



5.7394, 0.1502, 0.0608



15.0770, 0.2981, 0.3170



10.4834, 0.1775, 0.1589



0.9605, 0.1848, 0.1852

Previews

White Background



This preview shows how the Yxy color 28.6926, 0.5434, 0.4068 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 28.6926, 0.5434, 0.4068 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 28.6926, 0.5434, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 28.6926, 0.5434, 0.4068.



This preview shows how white text looks on a background with the Yxy color 28.6926, 0.5434, 0.4068.

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

28.6926, 0.5434, 0.4068

Protanopia

28.9173, 0.4356, 0.4831

Deuteranopia

28.7795, 0.4714, 0.4639



Tritanopia

28.6561, 0.4651, 0.3218

Trichromacy



Original Color

28.6926, 0.5434, 0.4068

Protanomaly

28.0484, 0.4772, 0.4541

Deuteranomaly

28.3828, 0.4992, 0.4418

Tritanomaly

28.3941, 0.5108, 0.3663

Monochromacy



Original Color

28.6926, 0.5434, 0.4068

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2856, 0.4130, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6926, 0.5434, 0.4068 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, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 114, 0)  
}
```

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, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.6926, 0.5434, 0.4068 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, 114, 0) }
```

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

```
.border{ border-color:rgb(229, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6926, 0.5434, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 114, 0) }
```

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

```
.background{ background-color: rgb(229,  
114, 0) }
```

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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