

Converting Colors

$Y_{xy}(28.2577, 0.5425, 0.4074)$

Have a look what the booklet for
Yxy(28.2577, 0.5425, 0.4074)
contains.

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Color

$Yxy(28.3655, 0.5420, 0.4078)$

Conversions

Conversions Part 1

Format	Color
Hex	E37200
RGB	227, 114, 0
RGB Percent	89%, 45%, 0%
CMY	0.1097, 0.5530, 0.9995
CMYK	0.00, 0.50, 1.00, 0.11
HSL	30°, 100%, 45%
HSV	30°, 100%, 89%
XYZ	37.7001, 28.3655, 3.4918
YIQ	134.7910, 103.9420, -11.4980

Conversions

Conversions Part 2

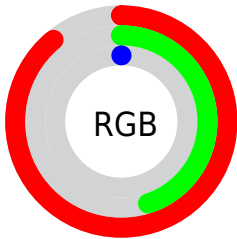
Format	Color
R_{YB}	225, 227, 0
Decimal	14905856
CIE _{Lab}	60.22, 38.85, 67.87
CIE _{LCh}	60, 78.199, 60.213
Yxy	28.3655, 0.5420, 0.4078
Android (android.graphics.Color)	4293095936 (0xFFE37200)
YUV	134.7910, -66.4520, 80.8673
Hunter-Lab	53.2593, 33.1493, 33.3943

Details

The Yxy color **28.3655, 0.5420, 0.4078** 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 **17.3930, 0.1764, 0.1550**, and the grayscale version is **24.3752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3148, 0.4777, 0.4199**, and **11.4475, 0.5726, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **28.3514, 0.5421, 0.4078**, and if you desaturate by 10%, it is **31.1387, 0.5221, 0.4147**.

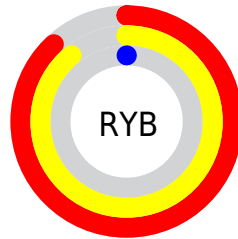
Distribution



Red (89%)

Green (45%)

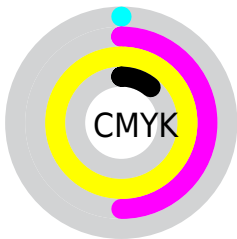
Blue (0%)



Red (88%)

Yellow (89%)

Blue (0%)

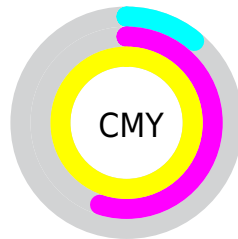


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3655, 0.5420, 0.4078 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 28.3655, 0.5420, 0.4078 by changing the saturation by 10% instead.


 28.3655, 0.5420,
0.4078


 28.3655, 0.5420,
0.4078


294.2093, 0.4287,
0.3850

 18.6014, 0.5651,
0.4054


 57.0675, 0.5038,
0.4052


 11.3826, 0.5954,
0.4010


 76.7741, 0.4883,
0.4024

 6.3248, 0.6186,
0.3814


 100.5636, 0.4749,
0.3994

 3.0436, 0.6493,
0.3507

 128.8205, 0.4632,
0.3962

 1.1545, 0.6975,
0.3025

 161.9291, 0.4529,
0.3932


 0.0241, 0.9760,
0.0240


 200.2739, 0.4439,


 0.0000, 0.0000,


0.3903


0.0000

 244.2391, 0.4358,
0.3875


 28.3655, 0.5420,
0.4078


 28.3655, 0.5420,
0.4078


 28.3514, 0.5421,
0.4078

 31.1387, 0.5221,
0.4147

 34.3083, 0.4985,
0.4166

 37.9087, 0.4720,
0.4131

 41.9631, 0.4444,
0.4053

 46.4920, 0.4172,
0.3945

■ 51.5143, 0.3916,
0.3818

■ 57.0473, 0.3682,
0.3682

■ 63.1076, 0.3473,
0.3546

■ 69.7106, 0.3288,
0.3414

Harmonies

Analogous

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



28.3655, 0.5480, 0.3289



28.3655, 0.5420, 0.4078



28.3655, 0.4692, 0.4950

Triad

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



28.3655, 0.5420, 0.4078



28.3655, 0.1671, 0.3974



28.3655, 0.2182, 0.1635

Complementary

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



28.3655, 0.5420, 0.4078



17.3930, 0.1764, 0.1550

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.



28.3655, 0.1496, 0.1569



28.3655, 0.5420, 0.4078



28.3655, 0.1232, 0.2587

Square

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



28.3655, 0.5420, 0.4078



28.3655, 0.2559, 0.5390



28.3655, 0.1196, 0.1835



28.3655, 0.3314, 0.1985

Rectangle

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



28.3655, 0.5420, 0.4078



28.3655, 0.4018, 0.5469



28.3655, 0.1196, 0.1835



28.3655, 0.1905, 0.1581

Sweetspot

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



28.3671, 0.5420, 0.4078



74.0642, 0.3688, 0.3686



17.5415, 0.4986, 0.2521



15.1825, 0.3785, 0.3744



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.



28.3671, 0.5420, 0.4078



36.6908, 0.5431, 0.4070



71.2799, 0.4193, 0.5052



15.5572, 0.3280, 0.3408



16.7659, 0.5398, 0.4096



1.4247, 0.5175, 0.4273

Inverse Universe

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



17.3930, 0.1764, 0.1550



22.4062, 0.1761, 0.1539



5.5507, 0.1500, 0.0600



15.0673, 0.2981, 0.3169



10.3660, 0.1771, 0.1576



0.9518, 0.1845, 0.1841

Previews

White Background



This preview shows how the Yxy color 28.3655, 0.5420, 0.4078 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 28.3655, 0.5420, 0.4078 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 28.3655, 0.5420, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 28.3655, 0.5420, 0.4078.



This preview shows how white text looks on a background with the Yxy color 28.3655, 0.5420, 0.4078.

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

28.3655, 0.5420, 0.4078

Protanopia

28.5008, 0.4357, 0.4829

Deuteranopia

28.3673, 0.4717, 0.4637



Tritanopia

28.3233, 0.4631, 0.3217

Trichromacy



Original Color

28.3655, 0.5420, 0.4078

Protanomaly

27.6440, 0.4775, 0.4538

Deuteranomaly

27.9799, 0.4997, 0.4415

Tritanomaly

28.0632, 0.5091, 0.3668

Monochromacy



Original Color

28.3655, 0.5420, 0.4078

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.1755, 0.4118, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3655, 0.5420, 0.4078 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(227, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.3655, 0.5420, 0.4078 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(227, 114, 0) }
```

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

```
.border{ border-color:rgb(227, 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(227, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3655, 0.5420, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 114, 0) }
```

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

```
.background{ background-color: rgb(227,  
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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