

Converting Colors

$Y_{xy}(28.0441, 0.5196, 0.3969)$

Have a look what the booklet for
Yxy(28.0441, 0.5196, 0.3969)
contains.

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Color

Yxy(27.9729, 0.5205, 0.3966)

Conversions

Conversions Part 1

Format	Color
Hex	DE732C
RGB	222, 115, 44
RGB Percent	87%, 45%, 17%
CMY	0.1294, 0.5490, 0.8274
CMYK	0.00, 0.48, 0.80, 0.13
HSL	24°, 73%, 52%
HSV	24°, 80%, 87%
XYZ	36.7118, 27.9729, 5.8471
YIQ	138.8990, 86.5630, 0.6030

Conversions

Conversions Part 2

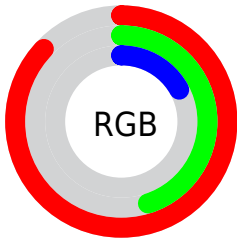
Format	Color
R _Y B	222, 162, 44
Decimal	14578476
CIE Lab	59.86, 37.13, 55.35
CIE LCh	60, 66.647, 56.142
Yxy	27.9729, 0.5205, 0.3966
Android (android.graphics.Color)	4292768556 (0xFFDE732C)
YUV	138.8990, -46.7852, 72.8796
Hunter-Lab	52.8894, 31.3446, 30.4679

Details

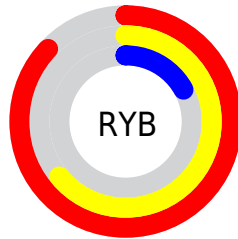
The Yxy color **27.9729, 0.5205, 0.3966** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **27.9462, 0.2001, 0.2211**, and the grayscale version is **25.9371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0915, 0.4589, 0.4011**, and **11.1404, 0.5678, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **25.0231, 0.5489, 0.3925**, and if you desaturate by 10%, it is **31.4556, 0.4888, 0.3954**.

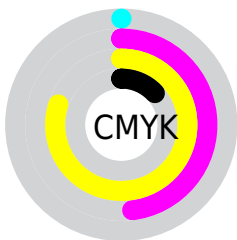
Distribution



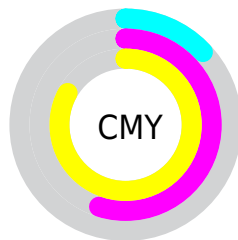
- Red (87%)
- Green (45%)
- Blue (17%)



- Red (87%)
- Yellow (64%)
- Blue (17%)



- Cyan (0%)
- Magenta (48%)
- Yellow (80%)
- Black (13%)




- Cyan (13%)
- Magenta (55%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9729, 0.5205, 0.3966 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 27.9729, 0.5205, 0.3966 by changing the saturation by 10% instead.


 27.9729, 0.5205,
0.3966


 27.9729, 0.5205,
0.3966


292.3374, 0.4132,
0.3735


 18.3052, 0.5451,
0.3967


 56.4412, 0.4824,
0.3920


 11.1693, 0.5742,
0.3929


 76.0106, 0.4676,
0.3891

 6.1809, 0.6143,
0.3857


 99.6493, 0.4551,
0.3861

 2.9554, 0.6445,
0.3555

 127.7418, 0.4443,
0.3832

 1.1085, 0.6925,
0.3075

 160.6725, 0.4349,
0.3805

 0.0000, 1.0000,
0.0000

 198.8257, 0.4268,

 0.0000, 0.0000,

0.3780

0.0000

242.5859, 0.4196,
0.3756

■ 27.9729, 0.5205,
0.3966

■ 27.9729, 0.5205,
0.3966

■ 25.0231, 0.5489,
0.3925

■ 31.4556, 0.4888,
0.3954

■ 22.6011, 0.5720,
0.3840

■ 35.4968, 0.4563,
0.3900

■ 40.1254, 0.4252,
0.3816

■ 45.3664, 0.3965,
0.3715

■ 51.2432, 0.3710,
0.3607

■ 57.7779, 0.3487,
0.3497

■ 64.9913, 0.3295,
0.3391

■ 72.9034, 0.3130,
0.3292

■ 81.5330, 0.2989,
0.3199

Harmonies

Analogous

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



27.9729, 0.5107, 0.3245



27.9729, 0.5205, 0.3966



27.9729, 0.4671, 0.4718

Triad

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



27.9729, 0.5205, 0.3966



27.9729, 0.1953, 0.4063



27.9729, 0.2196, 0.1785

Complementary

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



27.9729, 0.5205, 0.3966



27.9462, 0.2001, 0.2211

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.



27.9729, 0.1614, 0.1770



27.9729, 0.5205, 0.3966



27.9729, 0.1474, 0.2843

Square

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



27.9729, 0.5205, 0.3966



27.9729, 0.2802, 0.5142



27.9729, 0.1379, 0.2083



27.9729, 0.3150, 0.2073

Rectangle

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



27.9729, 0.5205, 0.3966



27.9729, 0.4107, 0.5147



27.9729, 0.1379, 0.2083



27.9729, 0.1961, 0.1749

Sweetspot

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



27.9744, 0.5205, 0.3966



75.3978, 0.3573, 0.3541



19.6580, 0.4148, 0.2213



15.4565, 0.3654, 0.3580



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.



27.9744, 0.5205, 0.3966



31.9737, 0.5645, 0.3870



57.5989, 0.4297, 0.4804



14.5932, 0.3282, 0.3384



13.6270, 0.5694, 0.3861



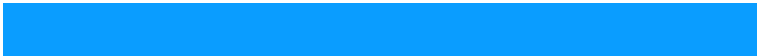
1.1162, 0.5412, 0.4085

Inverse Universe

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



27.9462, 0.2001, 0.2211



31.5219, 0.1883, 0.1959



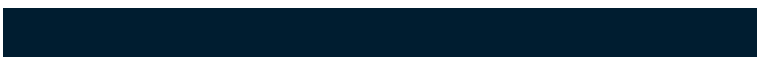
9.5639, 0.1681, 0.0999



14.6070, 0.2981, 0.3194



13.3936, 0.1870, 0.1933



1.1020, 0.1934, 0.2164

Previews

White Background



This preview shows how the Yxy color 27.9729, 0.5205, 0.3966 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 27.9729, 0.5205, 0.3966 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 27.9729, 0.5205, 0.3966

Background



This preview shows how black text looks on a background with the Yxy color 27.9729, 0.5205, 0.3966.



This preview shows how white text looks on a background with the Yxy color 27.9729, 0.5205, 0.3966.

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

27.9729, 0.5205, 0.3966

Protanopia

28.1801, 0.4193, 0.4607

Deuteranopia

27.9638, 0.4600, 0.4504



Tritanopia

27.9705, 0.4540, 0.3214

Trichromacy



Original Color

27.9729, 0.5205, 0.3966

Protanomaly

27.4623, 0.4579, 0.4359

Deuteranomaly

27.7173, 0.4838, 0.4292

Tritanomaly

27.9374, 0.4839, 0.3537

Monochromacy



Original Color

27.9729, 0.5205, 0.3966

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.3998, 0.3900, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9729, 0.5205, 0.3966 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(222, 115, 44)` looks like.

```
.text, #text, p{  
    color:rgb(222, 115, 44)  
}
```

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(222, 115, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 115, 44) }
```

Border

The CSS property to change the border of an element to Yxy 27.9729, 0.5205, 0.3966 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(222, 115, 44) }
```

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

```
.border{ border-color:rgb(222, 115, 44) }
```

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

Here you see how a box with a 4 pixel rgb(222, 115, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 115, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 115, 44);  
box-shadow:4px 4px 4px 4px rgb(222, 115,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9729, 0.5205, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 115, 44) }
```

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

```
.background{ background-color: rgb(222,  
115, 44) }
```

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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