

Converting Colors

$Yxy(28.4507, 0.5247, 0.4216)$

Have a look what the booklet for
Yxy(28.4507, 0.5247, 0.4216)
contains.

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Color

Yxy(28.4265, 0.5252, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	D97900
RGB	217, 121, 0
RGB Percent	85%, 47%, 0%
CMY	0.1490, 0.5255, 0.9990
CMYK	0.00, 0.44, 1.00, 0.15
HSL	33°, 100%, 43%
HSV	33°, 100%, 85%
XYZ	35.4538, 28.4265, 3.6250
YIQ	135.9100, 96.0570, -17.2790

Conversions

Conversions Part 2

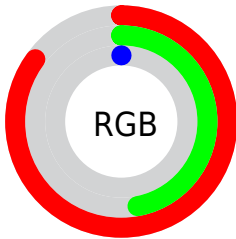
Format	Color
RYB	172, 217, 0
Decimal	14252288
CIELab	60.27, 31.17, 67.16
CIElCh	60, 74.042, 65.108
Yxy	28.4265, 0.5252, 0.4211
Android (android.graphics.Color)	4292442368 (0xFFD97900)
YUV	135.9100, -67.0036, 71.1159
Hunter-Lab	53.3165, 25.3930, 33.2904

Details

The Yxy color **28.4265, 0.5252, 0.4211** 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 **13.4210, 0.1716, 0.1376**, and the grayscale version is **24.8252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9618, 0.4707, 0.4258**, and **11.4750, 0.5509, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **28.4011, 0.5254, 0.4210**, and if you desaturate by 10%, it is **30.9387, 0.5076, 0.4264**.

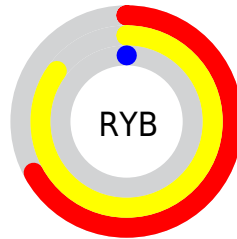
Distribution



Red (85%)

Green (47%)

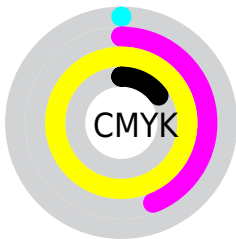
Blue (0%)



Red (67%)

Yellow (85%)

Blue (0%)

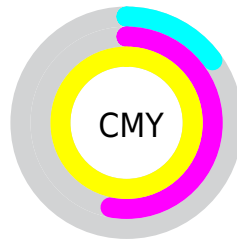


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4265, 0.5252, 0.4211 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 28.4265, 0.5252, 0.4211 by changing the saturation by 10% instead.


 28.4265, 0.5252,
0.4211

 28.4265, 0.5252,
0.4211


294.4993, 0.4204,
0.3893


 18.6474, 0.5465,
0.4214


 57.1647, 0.4899,
0.4148

 11.4158, 0.5740,
0.4202


 76.8925, 0.4756,
0.4107


 6.3472, 0.5950,
0.4050


 100.7054, 0.4632,
0.4066

 3.0573, 0.6212,
0.3788

 128.9877, 0.4523,
0.4027

 1.1617, 0.6634,
0.3366

 162.1239, 0.4428,
0.3990

 0.0301, 0.9632,
0.0368


 200.4983, 0.4344,


 0.0000, 0.0000,


0.3955


0.0000


 244.4953, 0.4270,
0.3923


 28.4265, 0.5252,
0.4211


 28.4265, 0.5252,
0.4211


 28.4011, 0.5254,
0.4210

 30.9387, 0.5076,
0.4264

 33.7529, 0.4866,
0.4269

 36.8976, 0.4629,
0.4222

 40.3904, 0.4379,
0.4131

 44.2472, 0.4129,
0.4010

■ 48.4821, 0.3890,
0.3870

■ 53.1083, 0.3667,
0.3722

■ 58.1383, 0.3466,
0.3572

■ 63.5837, 0.3285,
0.3427

Harmonies

Analogous

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



28.4265, 0.5415, 0.3430



28.4265, 0.5252, 0.4211



28.4265, 0.4502, 0.5034

Triad

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



28.4265, 0.5252, 0.4211



28.4265, 0.1640, 0.3698



28.4265, 0.2377, 0.1735

Complementary

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



28.4265, 0.5252, 0.4211



13.4210, 0.1716, 0.1376

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.



28.4265, 0.1641, 0.1626



28.4265, 0.5252, 0.4211



28.4265, 0.1277, 0.2474

Square

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



28.4265, 0.5252, 0.4211



28.4265, 0.2440, 0.5096



28.4265, 0.1291, 0.1832



28.4265, 0.3516, 0.2118

Rectangle

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



28.4265, 0.5252, 0.4211



28.4265, 0.3840, 0.5460



28.4265, 0.1291, 0.1832



28.4265, 0.2084, 0.1667

Sweetspot

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



28.4280, 0.5252, 0.4211



76.2708, 0.3676, 0.3727



15.6348, 0.5192, 0.2635



15.7049, 0.3768, 0.3791



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.



28.4280, 0.5252, 0.4211



40.6259, 0.5266, 0.4201



62.7711, 0.4105, 0.5122



14.2486, 0.3278, 0.3420



17.4066, 0.5234, 0.4226



1.2985, 0.5019, 0.4397

Inverse Universe

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



13.4210, 0.1716, 0.1376



19.0153, 0.1711, 0.1358



5.0868, 0.1513, 0.0608



13.5616, 0.2982, 0.3156



8.3117, 0.1723, 0.1401



0.7084, 0.1810, 0.1716

Previews

White Background



This preview shows how the Yxy color 28.4265, 0.5252, 0.4211 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 28.4265, 0.5252, 0.4211 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 28.4265, 0.5252, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 28.4265, 0.5252, 0.4211.



This preview shows how white text looks on a background with the Yxy color 28.4265, 0.5252, 0.4211.

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

28.4265, 0.5252, 0.4211

Protanopia

28.4940, 0.4362, 0.4837

Deuteranopia

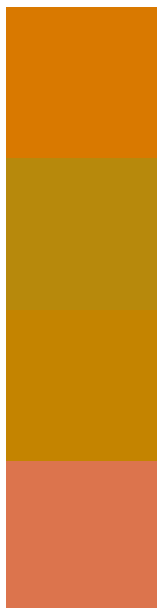
28.3673, 0.4717, 0.4637



Tritanopia

28.5629, 0.4388, 0.3199

Trichromacy



Original Color

28.4265, 0.5252, 0.4211

Protanomaly

27.9851, 0.4696, 0.4605

Deuteranomaly

28.2383, 0.4918, 0.4477

Tritanomaly

28.2422, 0.4891, 0.3723

Monochromacy



Original Color

28.4265, 0.5252, 0.4211

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.9201, 0.4040, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4265, 0.5252, 0.4211 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, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 121, 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(217, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4265, 0.5252, 0.4211 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, 121, 0) }
```

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

```
.border{ border-color:rgb(217, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4265, 0.5252, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 121, 0) }
```

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

```
.background{ background-color: rgb(217,  
121, 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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