

Converting Colors

$Y_{xy}(30.7287, 0.4925, 0.4471)$

Have a look what the booklet for
Yxy(30.7287, 0.4925, 0.4471)
contains.

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Color

Yxy(30.7287, 0.4925, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	CC8900
RGB	204, 137, 0
RGB Percent	80%, 54%, 0%
CMY	0.2000, 0.4627, 0.9994
CMYK	0.00, 0.33, 1.00, 0.20
HSL	40°, 100%, 40%
HSV	40°, 100%, 80%
XYZ	33.8490, 30.7287, 4.1512
YIQ	141.4150, 83.9090, -28.4030

Conversions

Conversions Part 2

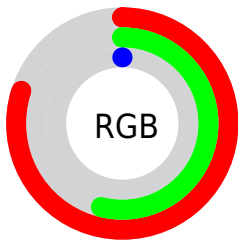
Format	Color
RYB	100, 204, 0
Decimal	13404416
CIELab	62.28, 17.00, 67.65
CIElCh	62, 69.753, 75.890
Yxy	30.7287, 0.4925, 0.4471
Android (android.graphics.Color)	4291594496 (0xFFCC8900)
YUV	141.4150, -69.7176, 54.8870
Hunter-Lab	55.4335, 11.9878, 34.3634

Details

The Yxy color **30.7287, 0.4925, 0.4471** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **8.3932, 0.1627, 0.1057**, and the grayscale version is **27.0703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5418, 0.4557, 0.4389**, and **12.7457, 0.5083, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **30.7158, 0.4926, 0.4471**, and if you desaturate by 10%, it is **32.7484, 0.4798, 0.4494**.

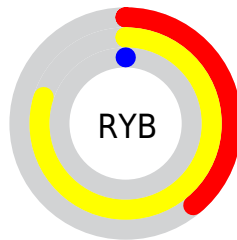
Distribution



Red (80%)

Green (54%)

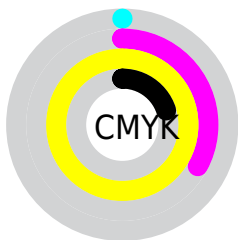
Blue (0%)



Red (39%)

Yellow (80%)

Blue (0%)

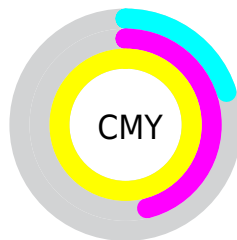


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7287, 0.4925, 0.4471 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 30.7287, 0.4925, 0.4471 by changing the saturation by 10% instead.


 30.7287, 0.4925,
0.4471


 30.7287, 0.4925,
0.4471


305.2865, 0.4060,
0.3984

 20.3923, 0.5093,
0.4528


 60.8127, 0.4639,
0.4337

 12.6806, 0.5293,
0.4575


 81.3291, 0.4521,
0.4273


 7.2090, 0.5461,
0.4539


 106.0077, 0.4418,
0.4213

 3.5931, 0.5606,
0.4394

 135.2328, 0.4328,
0.4158

 1.4487, 0.5844,
0.4156

 169.3888, 0.4248,
0.4108

 0.2522, 0.7220,
0.2780

 208.8602, 0.4178,

 0.0000, 0.0000,

0.4063

0.0000

254.0313, 0.4115,
0.4022

30.7287, 0.4925,
0.4471

30.7287, 0.4925,
0.4471

30.7158, 0.4926,
0.4471

32.7484, 0.4798,
0.4494

34.9423, 0.4642,
0.4472

37.3324, 0.4459,
0.4400

39.9309, 0.4258,
0.4287

42.7480, 0.4049,
0.4143

■ 45.7931, 0.3841,
0.3978

■ 49.0749, 0.3642,
0.3804

■ 52.6010, 0.3454,
0.3627

■ 56.3790, 0.3282,
0.3454

Harmonies

Analogous

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



30.7287, 0.5282, 0.3713



30.7287, 0.4925, 0.4471



30.7287, 0.4121, 0.5164

Triad

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



30.7287, 0.4925, 0.4471



30.7287, 0.1572, 0.3217



30.7287, 0.2781, 0.1932

Complementary

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



30.7287, 0.4925, 0.4471



8.3932, 0.1627, 0.1057

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.



30.7287, 0.1942, 0.1732



30.7287, 0.4925, 0.4471



30.7287, 0.1355, 0.2271

Square

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



30.7287, 0.4925, 0.4471



30.7287, 0.2195, 0.4519



30.7287, 0.1480, 0.1819



30.7287, 0.3916, 0.2382

Rectangle

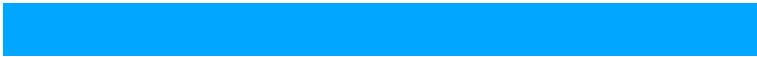
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.7287, 0.4925, 0.4471



30.7287, 0.3470, 0.5379



30.7287, 0.1480, 0.1819



30.7287, 0.2459, 0.1835

Sweetspot

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



30.7303, 0.4925, 0.4471



81.0083, 0.3651, 0.3812



13.2597, 0.5655, 0.2890



16.8335, 0.3735, 0.3887



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.



30.7303, 0.4925, 0.4471



50.4570, 0.4937, 0.4462



51.7369, 0.3900, 0.5285



12.4510, 0.3274, 0.3445



19.5084, 0.4913, 0.4481



1.1415, 0.4739, 0.4619

Inverse Universe

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



8.3932, 0.1627, 0.1057



13.5314, 0.1621, 0.1034



4.7053, 0.1569, 0.0638



11.4362, 0.2983, 0.3130



5.4270, 0.1634, 0.1081



0.4186, 0.1746, 0.1484

Previews

White Background



This preview shows how the Yxy color 30.7287, 0.4925, 0.4471 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7287, 0.4925, 0.4471 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7287, 0.4925, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 30.7287, 0.4925, 0.4471.



This preview shows how white text looks on a background with the Yxy color 30.7287, 0.4925, 0.4471.

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

30.7287, 0.4925, 0.4471

Protanopia

30.7110, 0.4379, 0.4850

Deuteranopia

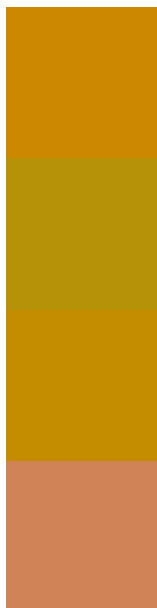
30.7213, 0.4722, 0.4633



Tritanopia

30.6865, 0.3991, 0.3166

Trichromacy



Original Color

30.7287, 0.4925, 0.4471

Protanomaly

30.5226, 0.4576, 0.4715

Deuteranomaly

30.7855, 0.4797, 0.4573

Tritanomaly

30.3306, 0.4529, 0.3831

Monochromacy



Original Color

30.7287, 0.4925, 0.4471

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.3869, 0.3932, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7287, 0.4925, 0.4471 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(204, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 137, 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(204, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 137, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.7287, 0.4925, 0.4471 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(204, 137, 0) }
```

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

```
.border{ border-color:rgb(204, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 137,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7287, 0.4925, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 137, 0) }
```

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

```
.background{ background-color: rgb(204,  
137, 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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