

Converting Colors

$Y_{xy}(30.7924, 0.4565, 0.4856)$

Have a look what the booklet for
Yxy(30.7924, 0.4565, 0.4856)
contains.

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Color

Yxy(30.9599, 0.4512, 0.4799)

Conversions

Conversions Part 1

Format	Color
Hex	B29500
RGB	178, 149, 0
RGB Percent	70%, 58%, 0%
CMY	0.3020, 0.4157, 0.9995
CMYK	0.00, 0.16, 1.00, 0.30
HSL	50°, 100%, 35%
HSV	50°, 100%, 70%
XYZ	29.1084, 30.9599, 4.4450
YIQ	140.6850, 65.1130, -40.1910

Conversions

Conversions Part 2

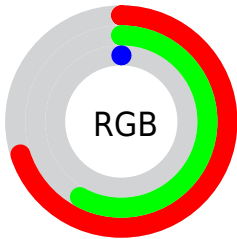
Format	Color
RYB	35, 178, 0
Decimal	11703552
CIELab	62.47, -1.22, 66.43
CIELCh	62, 66.446, 91.055
Yxy	30.9599, 0.4512, 0.4799
Android (android.graphics.Color)	4289893632 (0xFFB29500)
YUV	140.6850, -69.3577, 32.7253
Hunter-Lab	55.6416, -3.9923, 34.2127

Details

The Yxy color **30.9599, 0.4512, 0.4799** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.1000, 0.1541, 0.0745**, and the grayscale version is **26.7703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3701, 0.4305, 0.4570**, and **12.9886, 0.4541, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **30.9546, 0.4512, 0.4799**, and if you desaturate by 10%, it is **31.9343, 0.4444, 0.4782**.

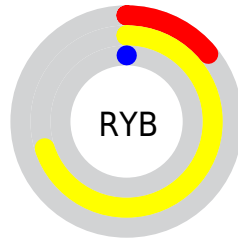
Distribution



Red (70%)

Green (58%)

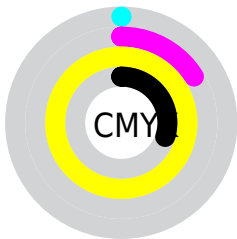
Blue (0%)



Red (14%)

Yellow (70%)

Blue (0%)

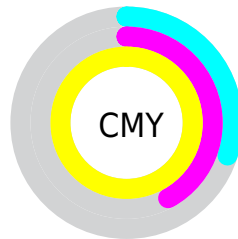


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9599, 0.4512, 0.4799 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 30.9599, 0.4512, 0.4799 by changing the saturation by 10% instead.


 30.9599, 0.4512,
0.4799


 30.9599, 0.4512,
0.4799


306.3535, 0.3867,
0.4090


 20.5683, 0.4625,
0.4927


 61.1769, 0.4307,
0.4571


 12.8088, 0.4746,
0.5066


 81.7712, 0.4220,
0.4474


 7.2970, 0.4829,
0.5171


 106.5351, 0.4142,
0.4389

 3.6485, 0.4818,
0.5182

 135.8531, 0.4074,
0.4314

 1.4790, 0.4798,
0.5202

 170.1095, 0.4013,
0.4248


 0.2739, 0.4569,
0.5431


 209.6888, 0.3959,


 0.0000, 0.0000,


0.4189

0.0000


 254.9753, 0.3911,
0.4137


 30.9599, 0.4512,
0.4799

 30.9599, 0.4512,
0.4799


 30.9546, 0.4512,
0.4799

 31.9343, 0.4444,
0.4782

 32.9694, 0.4354,
0.4727

 34.0816, 0.4236,
0.4628

 35.2782, 0.4095,
0.4489

 36.5653, 0.3938,
0.4317

■ 37.9485, 0.3772,
0.4122

■ 39.4326, 0.3603,
0.3915

■ 41.0221, 0.3436,
0.3702

■ 42.7213, 0.3276,
0.3492

Harmonies

Analogous

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



30.9599, 0.5094, 0.4082



30.9599, 0.4512, 0.4799



30.9599, 0.3628, 0.5259

Triad

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



30.9599, 0.4512, 0.4799



30.9599, 0.1482, 0.2710



30.9599, 0.3330, 0.2177

Complementary

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



30.9599, 0.4512, 0.4799



4.1000, 0.1541, 0.0745

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.



30.9599, 0.2355, 0.1855



30.9599, 0.4512, 0.4799



30.9599, 0.1441, 0.2046

Square

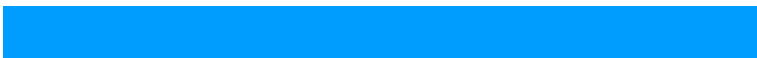
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.9599, 0.4512, 0.4799



30.9599, 0.1888, 0.3829



30.9599, 0.1725, 0.1795



30.9599, 0.4414, 0.2712

Rectangle

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



30.9599, 0.4512, 0.4799



30.9599, 0.2983, 0.5161



30.9599, 0.1725, 0.1795



30.9599, 0.2974, 0.2042

Sweetspot

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



30.9614, 0.4512, 0.4799



71.3435, 0.3613, 0.3927



9.5604, 0.6150, 0.3162



15.5535, 0.3683, 0.4015



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9614, 0.4512, 0.4799



55.8460, 0.4519, 0.4794



35.7430, 0.3619, 0.5508



9.6661, 0.3267, 0.3479



22.2257, 0.4508, 0.4802



0.7621, 0.4407, 0.4883

Inverse Universe

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



4.1000, 0.1541, 0.0745



7.2044, 0.1535, 0.0725



4.1598, 0.1748, 0.0737



8.4466, 0.2985, 0.3094



2.9927, 0.1544, 0.0758



0.1626, 0.1666, 0.1199

Previews

White Background



This preview shows how the Yxy color 30.9599, 0.4512, 0.4799 looks on a white background.

Color Contrast Check

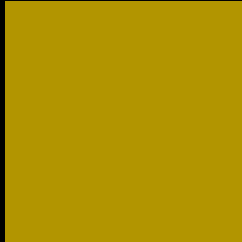
Large Text (above 18pt) WCAG AA × Fail

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 30.9599, 0.4512, 0.4799 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 30.9599, 0.4512, 0.4799

Background



This preview shows how black text looks on a background with the Yxy color 30.9599, 0.4512, 0.4799.



This preview shows how white text looks on a background with the Yxy color 30.9599, 0.4512, 0.4799.

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

30.9599, 0.4512, 0.4799

Protanopia

31.1275, 0.4392, 0.4872

Deuteranopia

30.7587, 0.4692, 0.4595



Tritanopia

30.7860, 0.3544, 0.3138

Trichromacy



Original Color

30.9599, 0.4512, 0.4799

Protanomaly

31.1407, 0.4439, 0.4843

Deuteranomaly

30.7118, 0.4628, 0.4671

Tritanomaly

30.2395, 0.4086, 0.3952

Monochromacy



Original Color

30.9599, 0.4512, 0.4799

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.5547, 0.3789, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9599, 0.4512, 0.4799 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(178, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 149, 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(178, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.9599, 0.4512, 0.4799 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(178, 149, 0) }
```

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

```
.border{ border-color:rgb(178, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 149,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9599, 0.4512, 0.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 149, 0) }
```

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

```
.background{ background-color: rgb(178,  
149, 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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