

Converting Colors

$Y_{xy}(26.6311, 0.4779, 0.4750)$

Have a look what the booklet for
Yxy(26.6311, 0.4779, 0.4750)
contains.

Yxy(26.7929, 0.4695, 0.4654) 3

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Color

Yxy(26.7929, 0.4695, 0.4654)

Conversions

Conversions Part 1	
Format	Color
Hex	B28700
RGB	178, 135, 0
RGB Percent	70%, 53%, 0%
CMY	0.3019, 0.4706, 0.9998
CMYK	0.00, 0.24, 1.00, 0.30
HSL	45°, 100%, 35%
HSV	45°, 100%, 70%
XYZ	27.0289, 26.7929, 3.7478
YIQ	132.4670, 68.9630, -32.8690

Conversions

Conversions Part 2

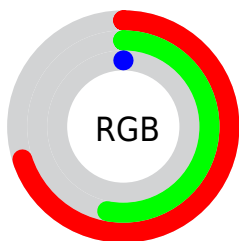
Format	Color
RYB	57, 178, 0
Decimal	11699968
CIELab	58.78, 6.46, 63.88
CIELCh	59, 64.203, 84.221
Yxy	26.7929, 0.4695, 0.4654
Android (android.graphics.Color)	4289890048 (0xFFB28700)
YUV	132.4670, -65.3062, 39.9324
Hunter-Lab	51.7619, 2.6256, 31.9404

Details

The Yxy color **26.7929, 0.4695, 0.4654** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.9487, 0.1577, 0.0876**, and the grayscale version is **23.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5858, 0.4440, 0.4460**, and **10.6486, 0.4774, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **26.7916, 0.4695, 0.4654**, and if you desaturate by 10%, it is **28.0628, 0.4600, 0.4651**.

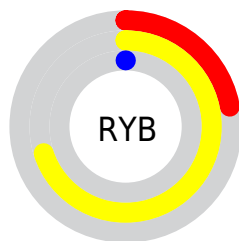
Distribution



Red (70%)

Green (53%)

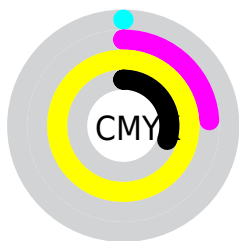
Blue (0%)



Red (22%)

Yellow (70%)

Blue (0%)

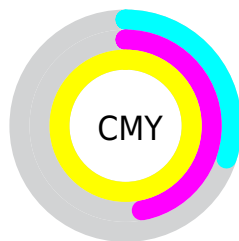


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7929, 0.4695, 0.4654 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 26.7929, 0.4695, 0.4654 by changing the saturation by 10% instead.


 26.7929, 0.4695,
0.4654


 26.7929, 0.4695,
0.4654


 286.6530, 0.3932,
0.4026


 17.4177, 0.4840,
0.4754


 54.5514, 0.4443,
0.4460

 10.5328, 0.5026,
0.4877


 73.7035, 0.4339,
0.4374


 5.7536, 0.5120,
0.4880


 96.8833, 0.4248,
0.4298

 2.6958, 0.5190,
0.4810

 124.4753, 0.4168,
0.4231

 0.9751, 0.5313,
0.4687

 156.8639, 0.4098,
0.4171


 0.0000, 1.0000,
0.0000


 194.4335, 0.4036,


 0.0000, 0.0000,


0.4117

0.0000

 237.5684, 0.3981,
0.4069

 26.7929, 0.4695,
0.4654


 26.7929, 0.4695,
0.4654


 26.7916, 0.4695,
0.4654


 28.0628, 0.4600,
0.4651


 29.4194, 0.4480,
0.4609


 30.8797, 0.4333,
0.4521


 32.4511, 0.4166,
0.4393

 34.1404, 0.3986,
0.4233

 35.9532, 0.3802,
0.4053

 37.8949, 0.3619,
0.3861

 39.9704, 0.3444,
0.3666

 42.1842, 0.3279,
0.3474

Harmonies

Analogous

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



26.7929, 0.5180, 0.3917



26.7929, 0.4695, 0.4654



26.7929, 0.3847, 0.5227

Triad

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



26.7929, 0.4695, 0.4654



26.7929, 0.1522, 0.2922



26.7929, 0.3082, 0.2069

Complementary

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



26.7929, 0.4695, 0.4654



4.9487, 0.1577, 0.0876

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.



26.7929, 0.2167, 0.1802



26.7929, 0.4695, 0.4654



26.7929, 0.1404, 0.2142

Square

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



26.7929, 0.4695, 0.4654



26.7929, 0.2022, 0.4127



26.7929, 0.1616, 0.1806



26.7929, 0.4197, 0.2567

Rectangle

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



26.7929, 0.4695, 0.4654



26.7929, 0.3200, 0.5273



26.7929, 0.1616, 0.1806



26.7929, 0.2740, 0.1952

Sweetspot

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



26.7942, 0.4695, 0.4654



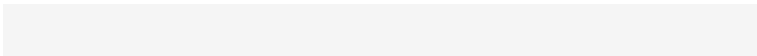
68.5005, 0.3629, 0.3872



9.6549, 0.5923, 0.3037



14.8459, 0.3705, 0.3952



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.



26.7942, 0.4695, 0.4654



48.1931, 0.4705, 0.4646



36.8815, 0.3759, 0.5398



9.5516, 0.3269, 0.3462



19.2648, 0.4688, 0.4660



0.6902, 0.4524, 0.4790

Inverse Universe

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



4.9487, 0.1577, 0.0876



8.6676, 0.1570, 0.0851



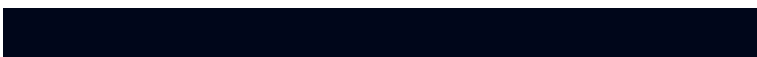
3.7637, 0.1647, 0.0681



8.5528, 0.2985, 0.3112



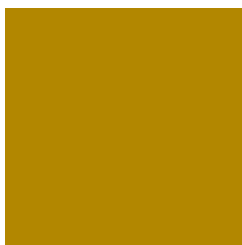
3.6226, 0.1582, 0.0894



0.2062, 0.1734, 0.1443

Previews

White Background



This preview shows how the Yxy color 26.7929, 0.4695, 0.4654 looks on a white background.

Color Contrast Check

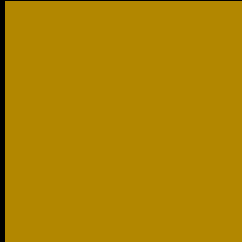
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7929, 0.4695, 0.4654 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 26.7929, 0.4695, 0.4654

Background



This preview shows how black text looks on a background with the Yxy color 26.7929, 0.4695, 0.4654.



This preview shows how white text looks on a background with the Yxy color 26.7929, 0.4695, 0.4654.

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

26.7929, 0.4695, 0.4654

Protanopia

26.8393, 0.4386, 0.4860

Deuteranopia

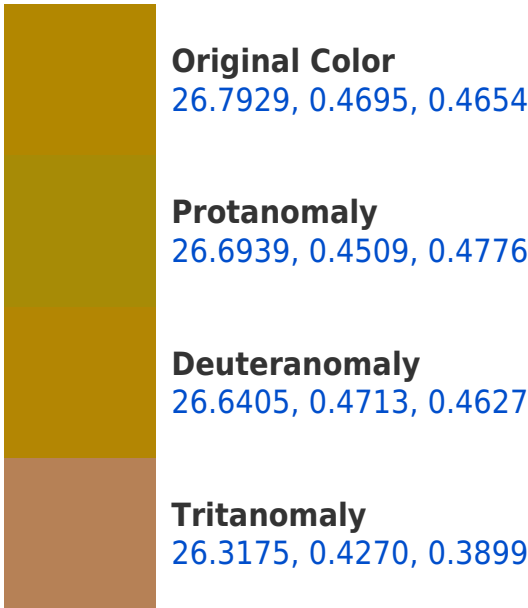
26.6449, 0.4709, 0.4622



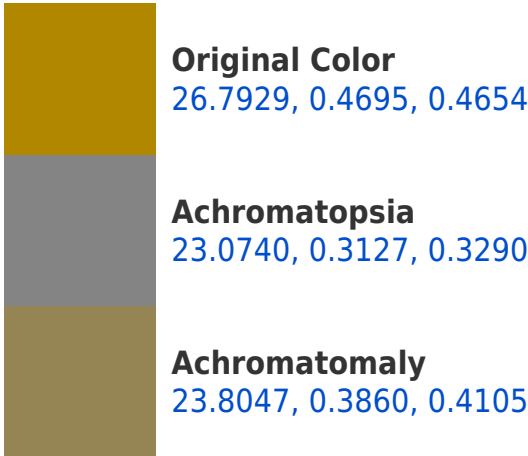
Tritanopia

26.7308, 0.3737, 0.3150

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7929, 0.4695, 0.4654 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, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 135, 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, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.7929, 0.4695, 0.4654 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, 135, 0) }
```


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

```
.border{ border-color:rgb(178, 135, 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, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 135,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7929, 0.4695, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 135, 0) }
```

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

```
.background{ background-color: rgb(178,  
135, 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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