

Converting Colors

$Y_{xy}(29.6762, 0.4735, 0.4907)$

Have a look what the booklet for
Yxy(29.6762, 0.4735, 0.4907)
contains.

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Color

Yxy(29.7703, 0.4607, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	B59000
RGB	181, 144, 0
RGB Percent	71%, 56%, 0%
CMY	0.2901, 0.4353, 1.0000
CMYK	0.00, 0.20, 1.00, 0.29
HSL	48°, 100%, 35%
HSV	48°, 100%, 71%
XYZ	29.0330, 29.7703, 4.2160
YIQ	138.6470, 68.2760, -36.9400

Conversions

Conversions Part 2

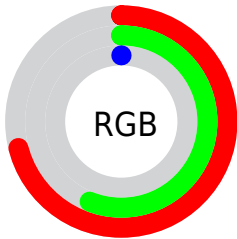
Format	Color
RYB	47, 181, 0
Decimal	11898880
CIELab	61.46, 2.87, 65.88
CIELCh	61, 65.945, 87.502
Yxy	29.7703, 0.4607, 0.4724
Android (android.graphics.Color)	4290088960 (0xFFB59000)
YUV	138.6470, -68.3530, 37.1436
Hunter-Lab	54.5622, -0.5025, 33.6122

Details

The Yxy color **29.7703, 0.4607, 0.4724** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.6623, 0.1557, 0.0806**, and the grayscale version is **25.9258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1012, 0.4382, 0.4511**, and **12.2164, 0.4663, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **29.7711, 0.4607, 0.4724**, and if you desaturate by 10%, it is **30.9558, 0.4526, 0.4715**.

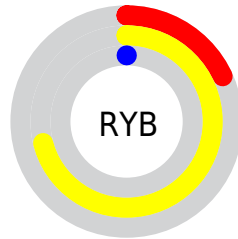
Distribution



Red (71%)

Green (56%)

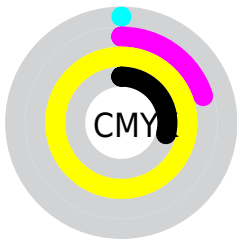
Blue (0%)



Red (18%)

Yellow (71%)

Blue (0%)

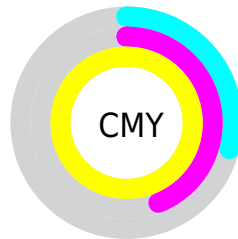


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7703, 0.4607, 0.4724 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 29.7703, 0.4607, 0.4724 by changing the saturation by 10% instead.

■ 29.7703, 0.4607,
0.4724

■ 29.7703, 0.4607,
0.4724

■ 300.8323, 0.3906,
0.4061

■ 19.6643, 0.4735,
0.4836

■ 59.2987, 0.4380,
0.4515

■ 12.1513, 0.4880,
0.4960

■ 79.4900, 0.4285,
0.4426

■ 6.8468, 0.4978,
0.5022

■ 103.8117, 0.4201,
0.4346

■ 3.3665, 0.5005,
0.4995

■ 132.6484, 0.4127,
0.4275

■ 1.3259, 0.5053,
0.4947

■ 166.3844, 0.4062,
0.4212


■ 0.1611, 0.5809,
0.4191

■ 205.4041, 0.4004,

■ 0.0000, 0.0000,


0.4156


0.0000


 250.0920, 0.3952,
0.4106


 29.7703, 0.4607,
0.4724


 29.7703, 0.4607,
0.4724

 29.7711, 0.4607,
0.4724

 30.9558, 0.4526,
0.4715

 32.2177, 0.4420,
0.4667

 33.5730, 0.4288,
0.4574

 35.0295, 0.4134,
0.4441

 36.5938, 0.3965,
0.4275

■ 38.2718, 0.3789,
0.4088

■ 40.0688, 0.3613,
0.3888

■ 41.9896, 0.3441,
0.3684

■ 44.0387, 0.3279,
0.3483

Harmonies

Analogous

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



29.7703, 0.5140, 0.3996



29.7703, 0.4607, 0.4724



29.7703, 0.3742, 0.5245

Triad

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



29.7703, 0.4607, 0.4724



29.7703, 0.1502, 0.2817



29.7703, 0.3201, 0.2121

Complementary

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



29.7703, 0.4607, 0.4724



4.6623, 0.1557, 0.0806

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.



29.7703, 0.2257, 0.1827



29.7703, 0.4607, 0.4724



29.7703, 0.1422, 0.2095

Square

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



29.7703, 0.4607, 0.4724



29.7703, 0.1957, 0.3982



29.7703, 0.1668, 0.1801



29.7703, 0.4302, 0.2637

Rectangle

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



29.7703, 0.4607, 0.4724



29.7703, 0.3095, 0.5222



29.7703, 0.1668, 0.1801



29.7703, 0.2852, 0.1995

Sweetspot

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



29.7718, 0.4607, 0.4724



71.5763, 0.3622, 0.3898



9.9744, 0.6026, 0.3093



15.1772, 0.3694, 0.3982



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.



29.7718, 0.4607, 0.4724



52.9718, 0.4615, 0.4718



37.7809, 0.3702, 0.5443



9.6056, 0.3268, 0.3470



20.6192, 0.4601, 0.4729



0.7235, 0.4468, 0.4835

Inverse Universe

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



4.6623, 0.1557, 0.0806



8.0877, 0.1551, 0.0784



4.0488, 0.1683, 0.0701



8.5024, 0.2985, 0.3103



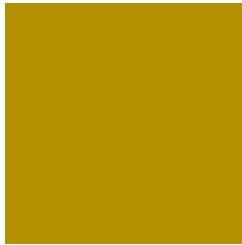
3.2953, 0.1562, 0.0824



0.1856, 0.1703, 0.1331

Previews

White Background



This preview shows how the Yxy color 29.7703, 0.4607, 0.4724 looks on a white background.

Color Contrast Check

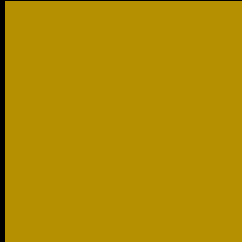
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7703, 0.4607, 0.4724 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 29.7703, 0.4607, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 29.7703, 0.4607, 0.4724.



This preview shows how white text looks on a background with the Yxy color 29.7703, 0.4607, 0.4724.

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

29.7703, 0.4607, 0.4724

Protanopia

29.8373, 0.4391, 0.4864

Deuteranopia

29.7677, 0.4696, 0.4609



Tritanopia

29.7552, 0.3634, 0.3153

Trichromacy



Original Color

29.7703, 0.4607, 0.4724

Protanomaly

29.7626, 0.4475, 0.4809

Deuteranomaly

29.6778, 0.4659, 0.4652

Tritanomaly

29.2640, 0.4169, 0.3932

Monochromacy



Original Color

29.7703, 0.4607, 0.4724

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6244, 0.3827, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7703, 0.4607, 0.4724 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(181, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(181, 144, 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(181, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 144, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.7703, 0.4607, 0.4724 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(181, 144, 0) }
```

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

```
.border{ border-color:rgb(181, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(181, 144,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7703, 0.4607, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 144, 0) }
```

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

```
.background{ background-color: rgb(181,  
144, 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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