

Converting Colors

$Y_{xy}(25.7568, 0.4692, 0.4609)$

Have a look what the booklet for
Yxy(25.7568, 0.4692, 0.4609)
contains.

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Color

$Y_{xy}(25.7568, 0.4692, 0.4609)$

Conversions

Conversions Part 1

Format	Color
Hex	B0840B
RGB	176, 132, 11
RGB Percent	69%, 52%, 4%
CMY	0.3097, 0.4824, 0.9568
CMYK	0.00, 0.25, 0.94, 0.31
HSL	44°, 88%, 37%
HSV	44°, 94%, 69%
XYZ	26.2206, 25.7568, 3.9063
YIQ	131.3620, 65.0650, -28.3030

Conversions

Conversions Part 2

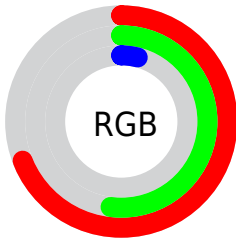
Format	Color
R _Y B	71, 176, 11
Decimal	11568139
CIE Lab	57.81, 7.36, 61.29
CIE LCh	58, 61.729, 83.149
Yxy	25.7568, 0.4692, 0.4609
Android (android.graphics.Color)	4289758219 (0xFFB0840B)
YUV	131.3620, -59.3385, 39.1475
Hunter-Lab	50.7512, 3.4077, 30.9623

Details

The Yxy color **25.7568, 0.4692, 0.4609** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **5.9434, 0.1639, 0.1042**, and the grayscale version is **23.0343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0118, 0.4433, 0.4422**, and **10.0381, 0.4806, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **24.9482, 0.4757, 0.4605**, and if you desaturate by 10%, it is **27.1234, 0.4573, 0.4589**.

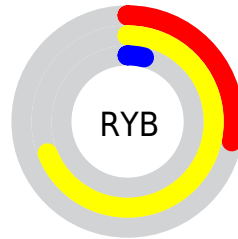
Distribution



Red (69%)

Green (52%)

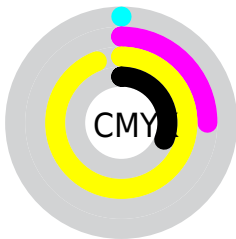
Blue (4%)



Red (28%)

Yellow (69%)

Blue (4%)

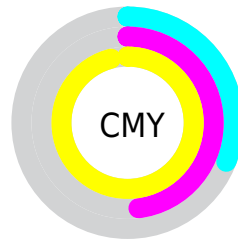


Cyan (0%)

Magenta (25%)

Yellow (94%)

Black (31%)



Cyan (31%)

Magenta (48%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7568, 0.4692, 0.4609 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 25.7568, 0.4692, 0.4609 by changing the saturation by 10% instead.


 25.7568, 0.4692,
0.4609


 25.7568, 0.4692,
0.4609


281.5862, 0.3917,
0.3995

 16.6418, 0.4845,
0.4709


 52.8823, 0.4431,
0.4417

 9.9794, 0.5040,
0.4828


 71.6617, 0.4325,
0.4333

 5.3853, 0.5160,
0.4840

 94.4312, 0.4233,
0.4259

 2.4751, 0.5243,
0.4757

 121.5754, 0.4153,
0.4193

 0.8641, 0.5392,
0.4608


 153.4786, 0.4082,
0.4135

 0.0000, 0.0000,
0.0000


 190.5252, 0.4021,

0.4083


 233.0996, 0.3966,
0.4036


 25.7568, 0.4692,
0.4609

 25.7568, 0.4692,
0.4609


 24.9482, 0.4757,
0.4605

 27.1234, 0.4573,
0.4589

 28.5964, 0.4426,
0.4522

 30.1851, 0.4256,
0.4412

 31.8966, 0.4072,
0.4267

 33.7369, 0.3882,
0.4097

■ 35.7114, 0.3693,
0.3914

■ 37.8253, 0.3512,
0.3725

■ 40.0832, 0.3341,
0.3537

■ 42.4895, 0.3183,
0.3356

Harmonies

Analogous

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



25.7568, 0.5142, 0.3888



25.7568, 0.4692, 0.4609



25.7568, 0.3873, 0.5170

Triad

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



25.7568, 0.4692, 0.4609



25.7568, 0.1566, 0.2972



25.7568, 0.3048, 0.2080

Complementary

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



25.7568, 0.4692, 0.4609



5.9434, 0.1639, 0.1042

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.



25.7568, 0.2163, 0.1826



25.7568, 0.4692, 0.4609



25.7568, 0.1435, 0.2189

Square

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



25.7568, 0.4692, 0.4609



25.7568, 0.2075, 0.4148



25.7568, 0.1632, 0.1842



25.7568, 0.4133, 0.2563

Rectangle

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



25.7568, 0.4692, 0.4609



25.7568, 0.3240, 0.5225



25.7568, 0.1632, 0.1842



25.7568, 0.2717, 0.1967

Sweetspot

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



25.7581, 0.4692, 0.4609



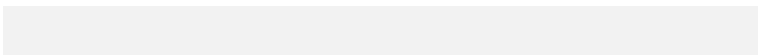
66.7293, 0.3597, 0.3815



9.7758, 0.5620, 0.2924



14.1151, 0.3674, 0.3894



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.7581, 0.4692, 0.4609



44.8418, 0.4768, 0.4596



36.6842, 0.3826, 0.5306



9.5153, 0.3269, 0.3456



18.3990, 0.4749, 0.4611



0.6686, 0.4563, 0.4759

Inverse Universe

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



5.9434, 0.1639, 0.1042



9.0483, 0.1584, 0.0902



3.9740, 0.1674, 0.0730



8.5868, 0.2985, 0.3118



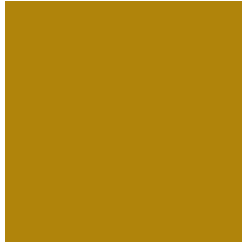
3.8738, 0.1596, 0.0946



0.2201, 0.1754, 0.1516

Previews

White Background



This preview shows how the Yxy color 25.7568, 0.4692, 0.4609 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 25.7568, 0.4692, 0.4609 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 25.7568, 0.4692, 0.4609

Background



This preview shows how black text looks on a background with the Yxy color 25.7568, 0.4692, 0.4609.



This preview shows how white text looks on a background with the Yxy color 25.7568, 0.4692, 0.4609.

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

25.7568, 0.4692, 0.4609

Protanopia

25.9560, 0.4366, 0.4850

Deuteranopia

25.7568, 0.4692, 0.4609



Tritanopia

25.7769, 0.3747, 0.3162

Trichromacy



Original Color

25.7568, 0.4692, 0.4609

Protanomaly

25.8129, 0.4487, 0.4761

Deuteranomaly

25.7568, 0.4692, 0.4609

Tritanomaly

25.3296, 0.4248, 0.3837

Monochromacy



Original Color

25.7568, 0.4692, 0.4609

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.1238, 0.3815, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7568, 0.4692, 0.4609 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(176, 132, 11)` looks like.

```
.text, #text, p{  
    color:rgb(176, 132, 11)  
}
```

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(176, 132, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 132, 11) }
```

Border

The CSS property to change the border of an element to Yxy 25.7568, 0.4692, 0.4609 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(176, 132, 11) }
```

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

```
.border{ border-color:rgb(176, 132, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 132, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 132, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 132, 11);  
box-shadow:4px 4px 4px 4px rgb(176, 132,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7568, 0.4692, 0.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 132, 11) }
```

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

```
.background{ background-color: rgb(176,  
132, 11) }
```

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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