

Converting Colors

$Y_{xy}(28.7544, 0.4953, 0.5047)$

Have a look what the booklet for
Yxy(28.7544, 0.4953, 0.5047)
contains.

Yxy(29.1170, 0.4667, 0.4677) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(29.1170, 0.4667, 0.4677)

Conversions

Conversions Part 1	
Format	Color
Hex	B78D00
RGB	183, 141, 0
RGB Percent	72%, 55%, 0%
CMY	0.2823, 0.4471, 1.0000
CMYK	0.00, 0.23, 1.00, 0.28
HSL	46°, 100%, 36%
HSV	46°, 100%, 72%
XYZ	29.0547, 29.1170, 4.0840
YIQ	137.4840, 70.2930, -34.9470

Conversions

Conversions Part 2

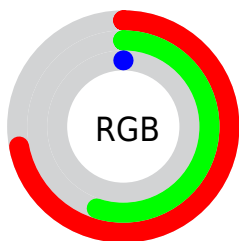
Format	Color
RYB	55, 183, 0
Decimal	12029184
CIELab	60.88, 5.42, 65.61
CIELCh	61, 65.835, 85.279
Yxy	29.1170, 0.4667, 0.4677
Android (android.graphics.Color)	4290219264 (0xFFB78D00)
YUV	137.4840, -67.7796, 39.9175
Hunter-Lab	53.9602, 1.6827, 33.2848

Details

The Yxy color **29.1170, 0.4667, 0.4677** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.0761, 0.1569, 0.0850**, and the grayscale version is **25.4530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0932, 0.4427, 0.4481**, and **11.8421, 0.4750, 0.4611** is the 20% darker color. If you saturate the color by 10%, you get **29.1188, 0.4667, 0.4677**, and if you desaturate by 10%, it is **30.4260, 0.4577, 0.4673**.

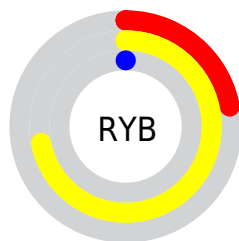
Distribution



Red (72%)

Green (55%)

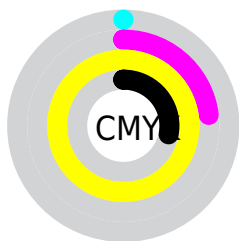
Blue (0%)



Red (22%)

Yellow (72%)

Blue (0%)

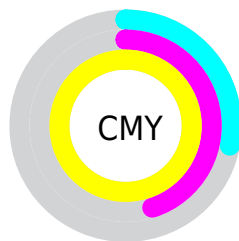


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1170, 0.4667, 0.4677 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 29.1170, 0.4667, 0.4677 by changing the saturation by 10% instead.

 29.1170, 0.4667,
0.4677


 29.1170, 0.4667,
0.4677


297.7666, 0.3931,
0.4044

 19.1693, 0.4804,
0.4779


 58.2629, 0.4427,
0.4481

 11.7927, 0.4966,
0.4893


 78.2300, 0.4327,
0.4395


 6.6027, 0.5071,
0.4929


 102.3056, 0.4239,
0.4319

 3.2149, 0.5124,
0.4876

 130.8743, 0.4161,
0.4251

 1.2449, 0.5216,
0.4784

 164.3203, 0.4093,
0.4190

 0.0979, 0.6971,
0.3029


 203.0281, 0.4033,


 0.0000, 0.0000,


0.4136


0.0000

 247.3821, 0.3979,
0.4087

 29.1170, 0.4667,
0.4677


 29.1170, 0.4667,
0.4677

 29.1188, 0.4667,
0.4677


 30.4260, 0.4577,
0.4673

 31.8225, 0.4462,
0.4630

 33.3244, 0.4320,
0.4540


 34.9398, 0.4157,
0.4410

 36.6757, 0.3981,
0.4249

 38.5382, 0.3799,
0.4066

 40.5329, 0.3618,
0.3871

 42.6650, 0.3444,
0.3673

 44.9391, 0.3280,
0.3478

Harmonies

Analogous

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



29.1170, 0.5168, 0.3942



29.1170, 0.4667, 0.4677



29.1170, 0.3813, 0.5234

Triad

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



29.1170, 0.4667, 0.4677



29.1170, 0.1515, 0.2887



29.1170, 0.3120, 0.2085

Complementary

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



29.1170, 0.4667, 0.4677



5.0761, 0.1569, 0.0850

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.



29.1170, 0.2196, 0.1809



29.1170, 0.4667, 0.4677



29.1170, 0.1409, 0.2126

Square

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



29.1170, 0.4667, 0.4677



29.1170, 0.2001, 0.4080



29.1170, 0.1632, 0.1804



29.1170, 0.4231, 0.2589

Rectangle

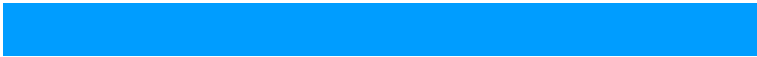
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.1170, 0.4667, 0.4677



29.1170, 0.3166, 0.5258



29.1170, 0.1632, 0.1804



29.1170, 0.2776, 0.1965

Sweetspot

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



29.1188, 0.4667, 0.4677



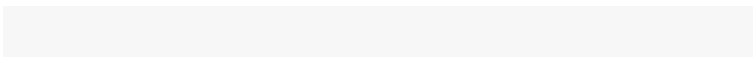
72.4009, 0.3627, 0.3881



10.2410, 0.5979, 0.3068



15.6542, 0.3703, 0.3964



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.1188, 0.4667, 0.4677



51.7786, 0.4676, 0.4669



38.9573, 0.3729, 0.5421



10.1443, 0.3269, 0.3465



20.4184, 0.4660, 0.4682



0.8066, 0.4517, 0.4796

Inverse Universe

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



5.0761, 0.1569, 0.0850



8.8025, 0.1563, 0.0826



4.0675, 0.1663, 0.0690



9.0451, 0.2985, 0.3109



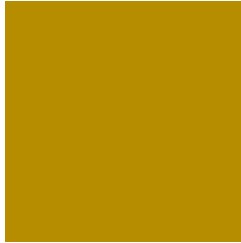
3.6292, 0.1575, 0.0868



0.2239, 0.1714, 0.1370

Previews

White Background



This preview shows how the Yxy color 29.1170, 0.4667, 0.4677 looks on a white background.

Color Contrast Check

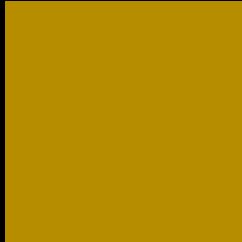
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1170, 0.4667, 0.4677 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 29.1170, 0.4667, 0.4677

Background



This preview shows how black text looks on a background with the Yxy color 29.1170, 0.4667, 0.4677.



This preview shows how white text looks on a background with the Yxy color 29.1170, 0.4667, 0.4677.

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

29.1170, 0.4667, 0.4677

Protanopia

29.3065, 0.4380, 0.4868

Deuteranopia

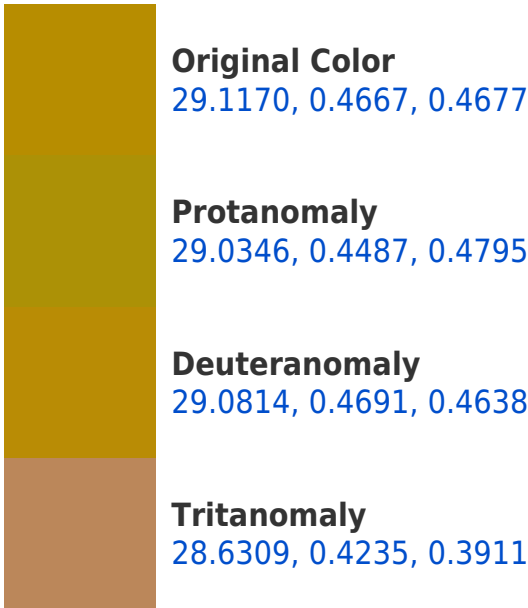
29.2128, 0.4696, 0.4623



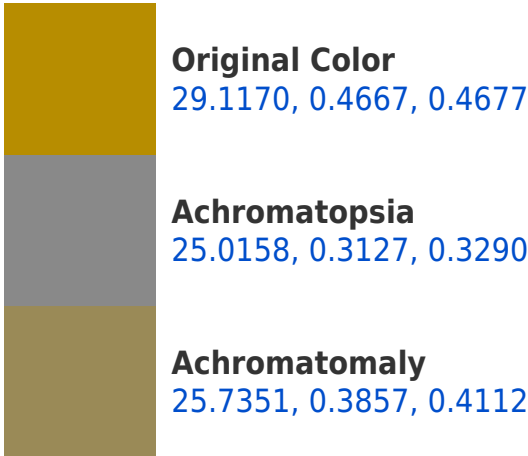
Tritanopia

29.1028, 0.3702, 0.3154

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1170, 0.4667, 0.4677 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(183, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 141, 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(183, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.1170, 0.4667, 0.4677 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(183, 141, 0) }
```

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

```
.border{ border-color:rgb(183, 141, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 141,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1170, 0.4667, 0.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 141, 0) }
```

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

```
.background{ background-color: rgb(183,  
141, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor