

Converting Colors

$Y_{xy}(30.8908, 0.4478, 0.4708)$

Have a look what the booklet for
Yxy(30.8908, 0.4478, 0.4708)
contains.

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Color

Yxy(30.8337, 0.4481, 0.4706)

Conversions

Conversions Part 1

Format	Color
Hex	B39419
RGB	179, 148, 25
RGB Percent	70%, 58%, 10%
CMY	0.2980, 0.4196, 0.9017
CMYK	0.00, 0.17, 0.86, 0.30
HSL	48°, 75%, 40%
HSV	48°, 86%, 70%
XYZ	29.3595, 30.8337, 5.3268
YIQ	143.2470, 57.9590, -31.6810

Conversions

Conversions Part 2

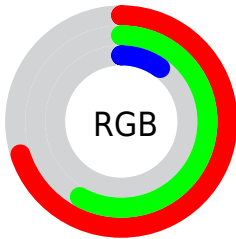
Format	Color
RYB	64, 179, 25
Decimal	11768857
CIELab	62.37, 0.20, 61.97
CIELCh	62, 61.969, 89.812
Yxy	30.8337, 0.4481, 0.4706
Android (android.graphics.Color)	4289958937 (0xFFB39419)
YUV	143.2470, -58.2958, 31.3554
Hunter-Lab	55.5281, -2.7955, 33.1820

Details

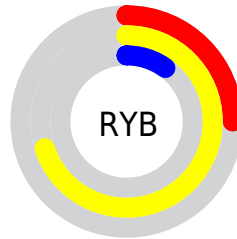
The Yxy color **30.8337, 0.4481, 0.4706** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.2990, 0.1671, 0.1057**, and the grayscale version is **27.7964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0427, 0.4264, 0.4492**, and **12.8729, 0.4574, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **29.6664, 0.4568, 0.4727**, and if you desaturate by 10%, it is **32.0882, 0.4365, 0.4639**.

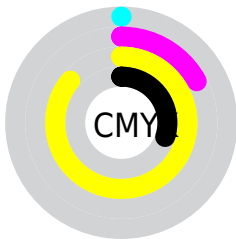
Distribution



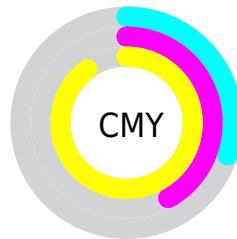
- Red (70%)
- Green (58%)
- Blue (10%)



- Red (25%)
- Yellow (70%)
- Blue (10%)



- Cyan (0%)
- Magenta (17%)
- Yellow (86%)
- Black (30%)




- Cyan (30%)
- Magenta (42%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8337, 0.4481, 0.4706 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 30.8337, 0.4481, 0.4706 by changing the saturation by 10% instead.


 30.8337, 0.4481,
0.4706


 30.8337, 0.4481,
0.4706


305.7714, 0.3834,
0.4031

 20.4722, 0.4604,
0.4834


 60.9782, 0.4268,
0.4484


 12.7388, 0.4732,
0.4966


 81.5299, 0.4180,
0.4392


 7.2489, 0.4880,
0.5120


 106.2473, 0.4103,
0.4312

 3.6183, 0.4882,
0.5118

 135.5146, 0.4035,
0.4241

 1.4624, 0.4885,
0.5115

 169.7163, 0.3976,
0.4179

 0.2620, 0.4922,
0.5078

 209.2367, 0.3923,

 0.0000, 0.0000,

0.4124

0.0000

254.4603, 0.3876,
0.4074

■ 30.8337, 0.4481,
0.4706

■ 30.8337, 0.4481,
0.4706

■ 29.6664, 0.4568,
0.4727

■ 32.0882, 0.4365,
0.4639

■ 29.2152, 0.4599,
0.4730

■ 33.4344, 0.4225,
0.4529

■ 34.8808, 0.4065,
0.4381

■ 36.4335, 0.3893,
0.4205

■ 38.0980, 0.3717,
0.4011

■ 39.8791, 0.3543,
0.3808

■ 41.7816, 0.3375,
0.3604

■ 43.8097, 0.3217,
0.3405

■ 45.9673, 0.3070,
0.3215

Harmonies

Analogous

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



30.8337, 0.4998, 0.4036



30.8337, 0.4481, 0.4706



30.8337, 0.3657, 0.5126

Triad

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



30.8337, 0.4481, 0.4706



30.8337, 0.1578, 0.2792



30.8337, 0.3279, 0.2219

Complementary

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



30.8337, 0.4481, 0.4706



6.2990, 0.1671, 0.1057

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.



30.8337, 0.2371, 0.1920



30.8337, 0.4481, 0.4706



30.8337, 0.1520, 0.2139

Square

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



30.8337, 0.4481, 0.4706



30.8337, 0.1989, 0.3844



30.8337, 0.1781, 0.1877



30.8337, 0.4294, 0.2725

Rectangle

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



30.8337, 0.4481, 0.4706



30.8337, 0.3045, 0.5040



30.8337, 0.1781, 0.1877



30.8337, 0.2948, 0.2093

Sweetspot

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



30.8352, 0.4481, 0.4706



71.2623, 0.3550, 0.3817



10.5934, 0.5574, 0.2995



15.5419, 0.3609, 0.3887



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.



30.8352, 0.4481, 0.4706



51.9852, 0.4607, 0.4724



37.5019, 0.3731, 0.5310



9.6100, 0.3268, 0.3471



20.7336, 0.4594, 0.4734



0.7263, 0.4463, 0.4838

Inverse Universe

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



6.2990, 0.1671, 0.1057



7.8426, 0.1550, 0.0780



5.2068, 0.1844, 0.0879



8.4983, 0.2985, 0.3103



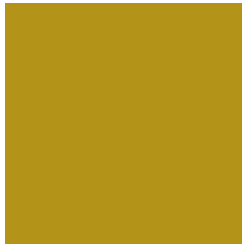
3.2709, 0.1561, 0.0819



0.1839, 0.1700, 0.1321

Previews

White Background



This preview shows how the Yxy color 30.8337, 0.4481, 0.4706 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 30.8337, 0.4481, 0.4706 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 30.8337, 0.4481, 0.4706

Background



This preview shows how black text looks on a background with the Yxy color 30.8337, 0.4481, 0.4706.

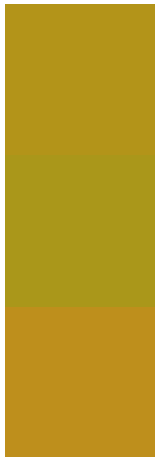


This preview shows how white text looks on a background with the Yxy color 30.8337, 0.4481, 0.4706.

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

30.8337, 0.4481, 0.4706

Protanopia

30.7538, 0.4346, 0.4803

Deuteranopia

30.6759, 0.4645, 0.4557



Tritanopia

30.8799, 0.3566, 0.3153

Trichromacy



Original Color

30.8337, 0.4481, 0.4706

Protanomaly

30.7715, 0.4390, 0.4769

Deuteranomaly

30.7690, 0.4583, 0.4613

Tritanomaly

30.5156, 0.4014, 0.3841

Monochromacy



Original Color

30.8337, 0.4481, 0.4706

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2388, 0.3707, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8337, 0.4481, 0.4706 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(179, 148, 25)` looks like.

```
.text, #text, p{  
    color:rgb(179, 148, 25)  
}
```

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(179, 148, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 148, 25) }
```

Border

The CSS property to change the border of an element to Yxy 30.8337, 0.4481, 0.4706 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(179, 148, 25) }
```

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

```
.border{ border-color:rgb(179, 148, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 148, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 148, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 148, 25);  
box-shadow:4px 4px 4px 4px rgb(179, 148,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8337, 0.4481, 0.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 148, 25) }
```

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

```
.background{ background-color: rgb(179,  
148, 25) }
```

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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