

Converting Colors

$Y_{xy}(30.2762, 0.4679, 0.4355)$

Have a look what the booklet for
Yxy(30.2762, 0.4679, 0.4355)
contains.

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Color

Yxy(30.2445, 0.4688, 0.4348)

Conversions

Conversions Part 1

Format	Color
Hex	C58A2E
RGB	197, 138, 46
RGB Percent	77%, 54%, 18%
CMY	0.2274, 0.4588, 0.8195
CMYK	0.00, 0.30, 0.77, 0.23
HSL	37°, 62%, 48%
HSV	37°, 77%, 77%
XYZ	32.6095, 30.2445, 6.7055
YIQ	145.1530, 64.6960, -16.1040

Conversions

Conversions Part 2

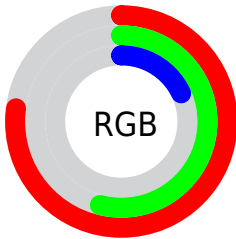
Format	Color
RYB	143, 197, 46
Decimal	12945966
CIELab	61.86, 14.41, 55.27
CIELCh	62, 57.115, 75.390
Yxy	30.2445, 0.4688, 0.4348
Android (android.graphics.Color)	4291136046 (0xFFC58A2E)
YUV	145.1530, -48.8824, 45.4698
Hunter-Lab	54.9950, 9.6011, 31.2673

Details

The Yxy color **30.2445, 0.4688, 0.4348** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **14.7215, 0.1895, 0.1716**, and the grayscale version is **28.5655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4034, 0.4395, 0.4206**, and **12.3827, 0.4988, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **27.9931, 0.4882, 0.4375**, and if you desaturate by 10%, it is **32.7269, 0.4470, 0.4273**.

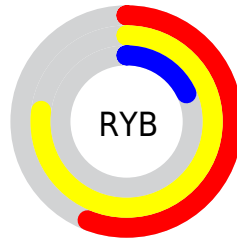
Distribution



Red (77%)

Green (54%)

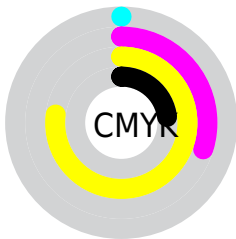
Blue (18%)



Red (56%)

Yellow (77%)

Blue (18%)

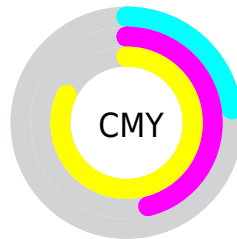


Cyan (0%)

Magenta (30%)

Yellow (77%)

Black (23%)



Cyan (23%)


Magenta (46%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2445, 0.4688, 0.4348 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 30.2445, 0.4688, 0.4348 by changing the saturation by 10% instead.


 30.2445, 0.4688,
0.4348


 30.2445, 0.4688,
0.4348


303.0425, 0.3901,
0.3869


 20.0242, 0.4863,
0.4429


 60.0486, 0.4413,
0.4198


 12.4127, 0.5064,
0.4502


 80.4013, 0.4305,
0.4133

 7.0254, 0.5379,
0.4621


 104.9002, 0.4212,
0.4075

 3.4780, 0.5506,
0.4494

 133.9298, 0.4133,
0.4024

 1.3861, 0.5718,
0.4282

 167.8744, 0.4063,
0.3978

 0.2064, 0.7263,
0.2737

 207.1184, 0.4002,

 0.0000, 0.0000,

0.3938

0.0000

252.0463, 0.3949,
0.3901

■ 30.2445, 0.4688,
0.4348

■ 30.2445, 0.4688,
0.4348

■ 27.9931, 0.4882,
0.4375

■ 32.7269, 0.4470,
0.4273

■ 25.9534, 0.5045,
0.4350

■ 35.4474, 0.4242,
0.4160

■ 25.3082, 0.5096,
0.4336

■ 38.4180, 0.4013,
0.4020

■ 41.6483, 0.3793,
0.3865

■ 45.1470, 0.3588,
0.3704

■ 48.9224, 0.3400,
0.3544

■ 52.9823, 0.3230,
0.3389

■ 57.3341, 0.3078,
0.3242

■ 61.9849, 0.2944,
0.3104

Harmonies

Analogous

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



30.2445, 0.4935, 0.3700



30.2445, 0.4688, 0.4348



30.2445, 0.4035, 0.4876

Triad

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



30.2445, 0.4688, 0.4348



30.2445, 0.1817, 0.3272



30.2445, 0.2835, 0.2116

Complementary

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



30.2445, 0.4688, 0.4348



14.7215, 0.1895, 0.1716

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.



30.2445, 0.2112, 0.1946



30.2445, 0.4688, 0.4348



30.2445, 0.1599, 0.2465

Square

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



30.2445, 0.4688, 0.4348



30.2445, 0.2379, 0.4295



30.2445, 0.1702, 0.2042



30.2445, 0.3773, 0.2513

Rectangle

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



30.2445, 0.4688, 0.4348



30.2445, 0.3482, 0.5001



30.2445, 0.1702, 0.2042



30.2445, 0.2561, 0.2032

Sweetspot

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



30.2460, 0.4688, 0.4348



83.0193, 0.3524, 0.3651



14.8762, 0.4695, 0.2623



17.2527, 0.3595, 0.3710



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.2460, 0.4688, 0.4348



47.6190, 0.4996, 0.4363



50.0676, 0.3975, 0.5009



11.6941, 0.3275, 0.3431



16.8112, 0.5081, 0.4348



0.9339, 0.4849, 0.4532

Inverse Universe

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



14.7215, 0.1895, 0.1716



18.9797, 0.1723, 0.1354



6.9830, 0.1768, 0.0951



10.9560, 0.2983, 0.3145



6.2935, 0.1681, 0.1252



0.4383, 0.1799, 0.1677

Previews

White Background



This preview shows how the Yxy color 30.2445, 0.4688, 0.4348 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 30.2445, 0.4688, 0.4348 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 30.2445, 0.4688, 0.4348

Background



This preview shows how black text looks on a background with the Yxy color 30.2445, 0.4688, 0.4348.



This preview shows how white text looks on a background with the Yxy color 30.2445, 0.4688, 0.4348.

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

30.2445, 0.4688, 0.4348

Protanopia

30.3593, 0.4229, 0.4651

Deuteranopia

30.2192, 0.4561, 0.4465



Tritanopia

30.2611, 0.3880, 0.3162

Trichromacy



Original Color

30.2445, 0.4688, 0.4348

Protanomaly

30.3549, 0.4397, 0.4540

Deuteranomaly

30.3156, 0.4598, 0.4427

Tritanomaly

29.9400, 0.4248, 0.3645

Monochromacy



Original Color

30.2445, 0.4688, 0.4348

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.3426, 0.3721, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2445, 0.4688, 0.4348 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(197, 138, 46)` looks like.

```
.text, #text, p{  
    color:rgb(197, 138, 46)  
}
```

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(197, 138, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 138, 46) }
```

Border

The CSS property to change the border of an element to Yxy 30.2445, 0.4688, 0.4348 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(197, 138, 46) }
```

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

```
.border{ border-color:rgb(197, 138, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 138, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 138, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 138, 46);  
box-shadow:4px 4px 4px 4px rgb(197, 138,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2445, 0.4688, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 138, 46) }
```

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

```
.background{ background-color: rgb(197,  
138, 46) }
```

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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