

Converting Colors

$Y_{xy}(30.7200, 0.4809, 0.4485)$

Have a look what the booklet for
Yxy(30.7200, 0.4809, 0.4485)
contains.

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Color

Yxy(30.6579, 0.4811, 0.4481)

Conversions

Conversions Part 1

Format	Color
Hex	C78B14
RGB	199, 139, 20
RGB Percent	78%, 55%, 8%
CMY	0.2195, 0.4549, 0.9216
CMYK	0.00, 0.30, 0.90, 0.22
HSL	40°, 82%, 43%
HSV	40°, 90%, 78%
XYZ	32.9157, 30.6579, 4.8440
YIQ	143.3740, 73.9590, -24.2890

Conversions

Conversions Part 2

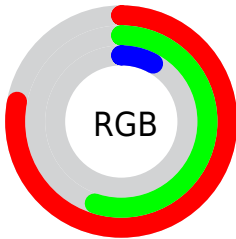
Format	Color
R _Y B	110, 199, 20
Decimal	13077268
CIE Lab	62.22, 13.98, 63.99
CIE LCh	62, 65.500, 77.679
Yxy	30.6579, 0.4811, 0.4481
Android (android.graphics.Color)	4291267348 (0xFFC78B14)
YUV	143.3740, -60.8234, 48.7840
Hunter-Lab	55.3696, 9.2165, 33.5718

Details

The Yxy color **30.6579, 0.4811, 0.4481** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **10.0126, 0.1710, 0.1271**, and the grayscale version is **27.8526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5385, 0.4495, 0.4349**, and **12.7202, 0.4995, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **28.7355, 0.4942, 0.4458**, and if you desaturate by 10%, it is **32.7531, 0.4652, 0.4460**.

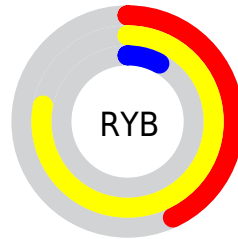
Distribution



Red (78%)

Green (55%)

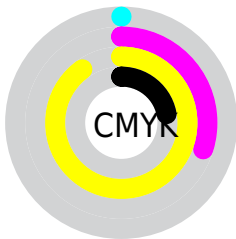
Blue (8%)



Red (43%)

Yellow (78%)

Blue (8%)

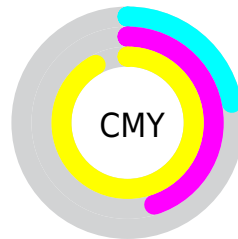


Cyan (0%)

Magenta (30%)

Yellow (90%)

Black (22%)



Cyan (22%)

Magenta (45%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6579, 0.4811, 0.4481 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 30.6579, 0.4811, 0.4481 by changing the saturation by 10% instead.

 30.6579, 0.4811,
0.4481


 30.6579, 0.4811,
0.4481


304.9592, 0.3991,
0.3965

 20.3385, 0.4976,
0.4554


 60.7011, 0.4536,
0.4329

 12.6413, 0.5161,
0.4615


 81.1936, 0.4424,
0.4260

 7.1820, 0.5361,
0.4639


 105.8460, 0.4327,
0.4197

 3.5762, 0.5482,
0.4518

 135.0426, 0.4242,
0.4141

 1.4394, 0.5684,
0.4316

 169.1678, 0.4167,
0.4090

 0.2455, 0.7006,
0.2994

 208.6060, 0.4101,

 0.0000, 0.0000,

0.4044

0.0000

253.7417, 0.4043,
0.4003

30.6579, 0.4811,
0.4481

30.6579, 0.4811,
0.4481

28.7355, 0.4942,
0.4458

32.7531, 0.4652,
0.4460

28.7269, 0.4942,
0.4458

35.0363, 0.4467,
0.4389

37.5205, 0.4263,
0.4277

40.2157, 0.4052,
0.4134

43.1306, 0.3843,
0.3971

■ 46.2734, 0.3643,
0.3798

■ 49.6517, 0.3455,
0.3624

■ 53.2725, 0.3283,
0.3453

■ 57.1426, 0.3126,
0.3289

Harmonies

Analogous

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



30.6579, 0.5165, 0.3758



30.6579, 0.4811, 0.4481



30.6579, 0.4039, 0.5100

Triad

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



30.6579, 0.4811, 0.4481



30.6579, 0.1628, 0.3165



30.6579, 0.2863, 0.2014

Complementary

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



30.6579, 0.4811, 0.4481



10.0126, 0.1710, 0.1271

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.



30.6579, 0.2039, 0.1806



30.6579, 0.4811, 0.4481



30.6579, 0.1432, 0.2295

Square

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



30.6579, 0.4811, 0.4481



30.6579, 0.2208, 0.4367



30.6579, 0.1571, 0.1877



30.6579, 0.3939, 0.2460

Rectangle

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



30.6579, 0.4811, 0.4481



30.6579, 0.3416, 0.5251



30.6579, 0.1571, 0.1877



30.6579, 0.2550, 0.1916

Sweetspot

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



30.6595, 0.4811, 0.4481



82.4780, 0.3593, 0.3754



13.2639, 0.5287, 0.2766



17.2280, 0.3660, 0.3814



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.



30.6595, 0.4811, 0.4481



49.8249, 0.4956, 0.4447



49.6949, 0.3935, 0.5200



11.7947, 0.3273, 0.3443



18.6352, 0.4929, 0.4468



1.0119, 0.4739, 0.4619

Inverse Universe

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



10.0126, 0.1710, 0.1271



13.7949, 0.1625, 0.1051



5.2252, 0.1643, 0.0732



10.8589, 0.2983, 0.3132



5.3570, 0.1639, 0.1100



0.3877, 0.1759, 0.1533

Previews

White Background



This preview shows how the Yxy color 30.6579, 0.4811, 0.4481 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 30.6579, 0.4811, 0.4481 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 30.6579, 0.4811, 0.4481

Background



This preview shows how black text looks on a background with the Yxy color 30.6579, 0.4811, 0.4481.



This preview shows how white text looks on a background with the Yxy color 30.6579, 0.4811, 0.4481.

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

30.6579, 0.4811, 0.4481

Protanopia

30.7452, 0.4353, 0.4812

Deuteranopia

30.7587, 0.4692, 0.4595



Tritanopia

30.5437, 0.3903, 0.3163

Trichromacy



Original Color

30.6579, 0.4811, 0.4481

Protanomaly

30.7531, 0.4520, 0.4689

Deuteranomaly

30.8558, 0.4732, 0.4559

Tritanomaly

30.3161, 0.4363, 0.3766

Monochromacy



Original Color

30.6579, 0.4811, 0.4481

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.0144, 0.3825, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6579, 0.4811, 0.4481 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(199, 139, 20)` looks like.

```
.text, #text, p{  
    color:rgb(199, 139, 20)  
}
```

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(199, 139, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 20) }
```

Border

The CSS property to change the border of an element to Yxy 30.6579, 0.4811, 0.4481 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(199, 139, 20) }
```

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

```
.border{ border-color:rgb(199, 139, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 139, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 20);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6579, 0.4811, 0.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 20) }
```

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

```
.background{ background-color: rgb(199,  
139, 20) }
```

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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