

Converting Colors

$Y_{xy}(29.0852, 0.4207, 0.4182)$

Have a look what the booklet for
Yxy(29.0852, 0.4207, 0.4182)
contains.

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Color

Yxy(29.0648, 0.4204, 0.4176)

Conversions

Conversions Part 1

Format	Color
Hex	B28D4E
RGB	178, 141, 78
RGB Percent	70%, 55%, 31%
CMY	0.3020, 0.4470, 0.6941
CMYK	0.00, 0.21, 0.56, 0.30
HSL	38°, 39%, 50%
HSV	38°, 56%, 70%
XYZ	29.2597, 29.0648, 11.2751
YIQ	144.8810, 42.2750, -11.7490

Conversions

Conversions Part 2

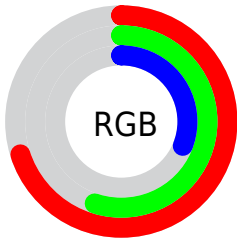
Format	Color
R _Y B	137, 178, 78
Decimal	11701582
CIE Lab	60.84, 6.41, 38.56
CIE LCh	61, 39.091, 80.566
Yxy	29.0648, 0.4204, 0.4176
Android (android.graphics.Color)	4289891662 (0xFFB28D4E)
YUV	144.8810, -32.9723, 29.0454
Hunter-Lab	53.9118, 2.5321, 25.3383

Details

The Yxy color **29.0648, 0.4204, 0.4176** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **17.0933, 0.2193, 0.2166**, and the grayscale version is **28.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0014, 0.3996, 0.4007**, and **11.7869, 0.4532, 0.4399** is the 20% darker color. If you saturate the color by 10%, you get **26.9599, 0.4423, 0.4295**, and if you desaturate by 10%, it is **31.3570, 0.3984, 0.4031**.

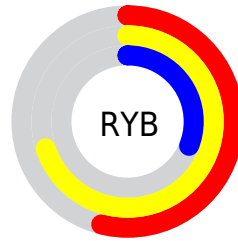
Distribution



Red (70%)

Green (55%)

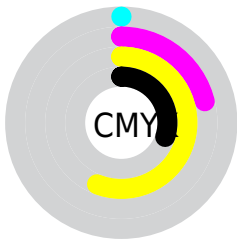
Blue (31%)



Red (54%)

Yellow (70%)

Blue (31%)

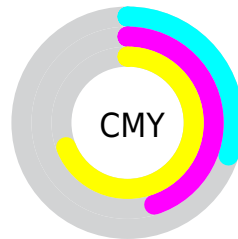


Cyan (0%)

Magenta (21%)

Yellow (56%)

Black (30%)



Cyan (30%)


Magenta (45%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.0648, 0.4204, 0.4176 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 29.0648, 0.4204, 0.4176 by changing the saturation by 10% instead.


 29.0648, 0.4204,
0.4176


 29.0648, 0.4204,
0.4176


297.5206, 0.3638,
0.3727


 19.1298, 0.4346,
0.4281


 58.1800, 0.3995,
0.4016


 11.7641, 0.4524,
0.4405


 78.1291, 0.3918,
0.3954


 6.5833, 0.4747,
0.4547


 102.1850, 0.3852,
0.3902

 3.2029, 0.5170,
0.4830

 130.7321, 0.3796,
0.3857

 1.2386, 0.5277,
0.4723

 164.1548, 0.3748,
0.3818

 0.0929, 0.7249,
0.2751

202.8375, 0.3707,

 0.0000, 0.0000,

0.3784

0.0000

247.1647, 0.3670,
0.3754

■ 29.0648, 0.4204,
0.4176

■ 29.0648, 0.4204,
0.4176

■ 26.9599, 0.4423,
0.4295

■ 31.3570, 0.3984,
0.4031

■ 25.0305, 0.4632,
0.4378

■ 33.8394, 0.3771,
0.3872

■ 23.2693, 0.4818,
0.4414

■ 36.5199, 0.3572,
0.3707

■ 21.6654, 0.4973,
0.4400

■ 39.4046, 0.3388,
0.3543

■ 21.0866, 0.5030,
0.4388

■ 42.4991, 0.3221,
0.3384

■ 45.8090, 0.3072,
0.3234

■ 49.3394, 0.2939,
0.3093

■ 53.0953, 0.2821,
0.2963

■ 57.0815, 0.2716,
0.2843

Harmonies

Analogous

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



29.0648, 0.4402, 0.3729



29.0648, 0.4204, 0.4176



29.0648, 0.3721, 0.4445

Triad

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



29.0648, 0.4204, 0.4176



29.0648, 0.2135, 0.3192



29.0648, 0.3043, 0.2464

Complementary

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



29.0648, 0.4204, 0.4176



17.0933, 0.2193, 0.2166

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.



29.0648, 0.2476, 0.2306



29.0648, 0.4204, 0.4176



29.0648, 0.1997, 0.2654

Square

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



29.0648, 0.4204, 0.4176



29.0648, 0.2527, 0.3855



29.0648, 0.2114, 0.2359



29.0648, 0.3697, 0.2795

Rectangle

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



29.0648, 0.4204, 0.4176



29.0648, 0.3315, 0.4432



29.0648, 0.2114, 0.2359



29.0648, 0.2836, 0.2390

Sweetspot

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



29.0662, 0.4204, 0.4176



70.8584, 0.3408, 0.3561



16.1820, 0.4118, 0.2747



15.4647, 0.3443, 0.3593



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.



29.0662, 0.4204, 0.4176



48.1740, 0.4466, 0.4315



40.5326, 0.3807, 0.4664



9.3676, 0.3272, 0.3433



15.2116, 0.5018, 0.4398



0.5857, 0.4734, 0.4623

Inverse Universe

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



17.0933, 0.2193, 0.2166



24.4642, 0.2005, 0.1877



10.8198, 0.2160, 0.1564



8.7280, 0.2985, 0.3143



5.1866, 0.1667, 0.1202



0.2771, 0.1831, 0.1791

Previews

White Background



This preview shows how the Yxy color 29.0648, 0.4204, 0.4176 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 29.0648, 0.4204, 0.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

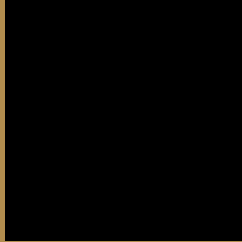
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.0648, 0.4204, 0.4176

Background



This preview shows how black text looks on a background with the Yxy color 29.0648, 0.4204, 0.4176.



This preview shows how white text looks on a background with the Yxy color 29.0648, 0.4204, 0.4176.

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

29.0648, 0.4204, 0.4176

Protanopia

29.1280, 0.3955, 0.4302

Deuteranopia

29.0095, 0.4235, 0.4154



Tritanopia

28.9790, 0.3592, 0.3136

Trichromacy



Original Color

29.0648, 0.4204, 0.4176

Protanomaly

29.1401, 0.4048, 0.4261

Deuteranomaly

28.8899, 0.4224, 0.4159

Tritanomaly

28.9095, 0.3836, 0.3522

Monochromacy



Original Color

29.0648, 0.4204, 0.4176

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4951, 0.3505, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0648, 0.4204, 0.4176 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(178, 141, 78)` looks like.

```
.text, #text, p{  
    color:rgb(178, 141, 78)  
}
```

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(178, 141, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 141, 78) }
```

Border

The CSS property to change the border of an element to Yxy 29.0648, 0.4204, 0.4176 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(178, 141, 78) }
```

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

```
.border{ border-color:rgb(178, 141, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 141, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 141, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 141, 78);  
box-shadow:4px 4px 4px 4px rgb(178, 141,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0648, 0.4204, 0.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 141, 78) }
```

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

```
.background{ background-color: rgb(178,  
141, 78) }
```

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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