

Converting Colors

$Y_{xy}(28.2974, 0.4578, 0.4715)$

Have a look what the booklet for
Yxy(28.2974, 0.4578, 0.4715)
contains.

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Color

Yxy(28.2974, 0.4578, 0.4715)

Conversions

Conversions Part 1

Format	Color
Hex	B08D08
RGB	176, 141, 8
RGB Percent	69%, 55%, 3%
CMY	0.3098, 0.4471, 0.9686
CMYK	0.00, 0.20, 0.95, 0.31
HSL	47°, 91%, 36%
HSV	47°, 95%, 69%
XYZ	27.4752, 28.2974, 4.2431
YIQ	136.3030, 63.5530, -33.9430

Conversions

Conversions Part 2

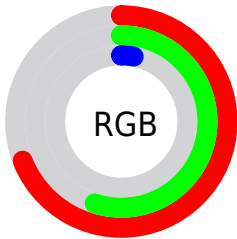
Format	Color
R_{YB}	52, 176, 8
Decimal	11570440
CIE _{Lab}	60.16, 2.34, 63.50
CIE _{LCh}	60, 63.541, 87.889
Yxy	28.2974, 0.4578, 0.4715
Android (android.graphics.Color)	4289760520 (0xFFB08D08)
YUV	136.3030, -63.2534, 34.8143
Hunter-Lab	53.1953, -0.8972, 32.5075

Details

The Yxy color **28.2974, 0.4578, 0.4715** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.9148, 0.1592, 0.0889**, and the grayscale version is **24.9654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9109, 0.4354, 0.4496**, and **11.4041, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **27.7936, 0.4615, 0.4718**, and if you desaturate by 10%, it is **29.4537, 0.4487, 0.4692**.

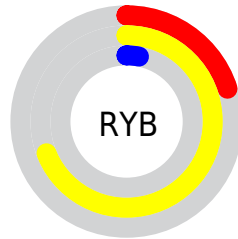
Distribution



Red (69%)

Green (55%)

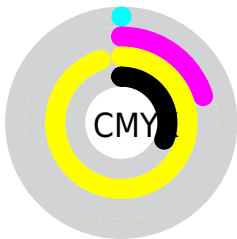
Blue (3%)



Red (20%)

Yellow (69%)

Blue (3%)

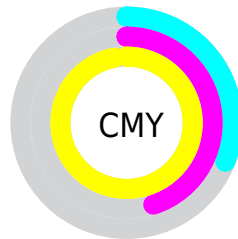


Cyan (0%)

Magenta (20%)

Yellow (95%)

Black (31%)



Cyan (31%)

Magenta (45%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2974, 0.4578, 0.4715 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 28.2974, 0.4578, 0.4715 by changing the saturation by 10% instead.


 28.2974, 0.4578,
0.4715


 28.2974, 0.4578,
0.4715


293.8853, 0.3881,
0.4043


 18.5500, 0.4708,
0.4833


 56.9589, 0.4350,
0.4500

 11.3455, 0.4858,
0.4966

 76.6418, 0.4255,
0.4408


 6.2998, 0.4961,
0.5039


 100.4052, 0.4171,
0.4328

 3.0282, 0.4985,
0.5015

 128.6337, 0.4098,
0.4257

 1.1465, 0.5027,
0.4973

 161.7115, 0.4034,
0.4194

 0.0173, 0.8095,
0.1905

 200.0231, 0.3977,

 0.0000, 0.0000,


0.4138

0.0000


 243.9529, 0.3926,
0.4088


 28.2974, 0.4578,
0.4715


 28.2974, 0.4578,
0.4715


 27.7936, 0.4615,
0.4718

 29.4537, 0.4487,
0.4692

 30.6926, 0.4367,
0.4624

 32.0238, 0.4222,
0.4511

 33.4540, 0.4060,
0.4363

 34.9890, 0.3886,
0.4187

■ 36.6340, 0.3709,
0.3994

■ 38.3939, 0.3534,
0.3792

■ 40.2730, 0.3366,
0.3591

■ 42.2754, 0.3208,
0.3394

Harmonies

Analogous

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



28.2974, 0.5103, 0.4002



28.2974, 0.4578, 0.4715



28.2974, 0.3726, 0.5211

Triad

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



28.2974, 0.4578, 0.4715



28.2974, 0.1525, 0.2817



28.2974, 0.3215, 0.2145

Complementary

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



28.2974, 0.4578, 0.4715



4.9148, 0.1592, 0.0889

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.



28.2974, 0.2282, 0.1851



28.2974, 0.4578, 0.4715



28.2974, 0.1448, 0.2111

Square

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



28.2974, 0.4578, 0.4715



28.2974, 0.1971, 0.3952



28.2974, 0.1696, 0.1823



28.2974, 0.4293, 0.2657

Rectangle

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



28.2974, 0.4578, 0.4715



28.2974, 0.3089, 0.5174



28.2974, 0.1696, 0.1823



28.2974, 0.2871, 0.2020

Sweetspot

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



28.2988, 0.4578, 0.4715



68.3058, 0.3604, 0.3874



9.5899, 0.5888, 0.3059



14.5170, 0.3677, 0.3958



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.2988, 0.4578, 0.4715



50.0640, 0.4623, 0.4711



35.6935, 0.3714, 0.5404



9.6000, 0.3268, 0.3469



20.4757, 0.4610, 0.4722



0.7200, 0.4473, 0.4830

Inverse Universe

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



4.9148, 0.1592, 0.0889



7.7846, 0.1554, 0.0792



4.1379, 0.1732, 0.0752



8.5076, 0.2985, 0.3104



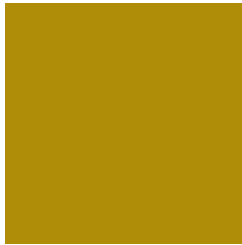
3.3266, 0.1564, 0.0831



0.1877, 0.1706, 0.1343

Previews

White Background



This preview shows how the Yxy color 28.2974, 0.4578, 0.4715 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 28.2974, 0.4578, 0.4715 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 28.2974, 0.4578, 0.4715

Background



This preview shows how black text looks on a background with the Yxy color 28.2974, 0.4578, 0.4715.



This preview shows how white text looks on a background with the Yxy color 28.2974, 0.4578, 0.4715.

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

28.2974, 0.4578, 0.4715

Protanopia

28.4744, 0.4378, 0.4860

Deuteranopia

28.3990, 0.4689, 0.4602



Tritanopia

28.2230, 0.3621, 0.3149

Trichromacy



Original Color

28.2974, 0.4578, 0.4715

Protanomaly

28.2933, 0.4449, 0.4809

Deuteranomaly

28.3155, 0.4649, 0.4643

Tritanomaly

27.8216, 0.4123, 0.3893

Monochromacy



Original Color

28.2974, 0.4578, 0.4715

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4775, 0.3800, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2974, 0.4578, 0.4715 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(176, 141, 8)` looks like.

```
.text, #text, p{  
    color:rgb(176, 141, 8)  
}
```

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(176, 141, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 141, 8) }
```

Border

The CSS property to change the border of an element to Yxy 28.2974, 0.4578, 0.4715 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(176, 141, 8) }
```

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

```
.border{ border-color:rgb(176, 141, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 141, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 141, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 141, 8);  
box-shadow:4px 4px 4px 4px rgb(176, 141,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2974, 0.4578, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 141, 8) }
```

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

```
.background{ background-color: rgb(176,  
141, 8) }
```

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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