

Converting Colors

$Y_{xy}(29.1310, 0.4546, 0.4649)$

Have a look what the booklet for
Yxy(29.1310, 0.4546, 0.4649)
contains.

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Color

Yxy(28.9999, 0.4553, 0.4643)

Conversions

Conversions Part 1

Format	Color
Hex	B38E19
RGB	179, 142, 25
RGB Percent	70%, 56%, 10%
CMY	0.2981, 0.4431, 0.9017
CMYK	0.00, 0.21, 0.86, 0.30
HSL	46°, 75%, 40%
HSV	46°, 86%, 70%
XYZ	28.4378, 28.9999, 5.0217
YIQ	139.7250, 59.6090, -28.5430

Conversions

Conversions Part 2

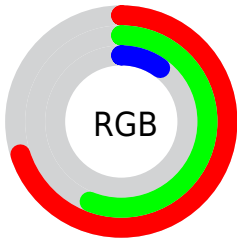
Format	Color
R_{YB}	74, 179, 25
Decimal	11767321
CIE Lab	60.78, 3.46, 60.66
CIE LCh	61, 60.757, 86.733
Yxy	28.9999, 0.4553, 0.4643
Android (android.graphics.Color)	4289957401 (0xFFB38E19)
YUV	139.7250, -56.5594, 34.4442
Hunter-Lab	53.8516, 0.0215, 32.1672

Details

The Yxy color **28.9999, 0.4553, 0.4643** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.9121, 0.1693, 0.1140**, and the grayscale version is **26.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9901, 0.4329, 0.4433**, and **11.7919, 0.4686, 0.4661** is the 20% darker color. If you saturate the color by 10%, you get **27.6913, 0.4654, 0.4657**, and if you desaturate by 10%, it is **30.4096, 0.4423, 0.4582**.

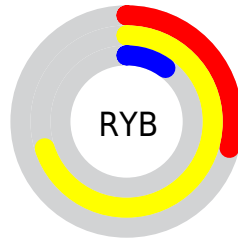
Distribution



Red (70%)

Green (56%)

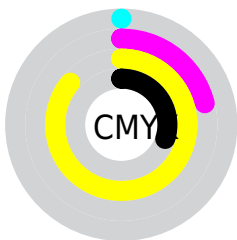
Blue (10%)



Red (29%)

Yellow (70%)

Blue (10%)

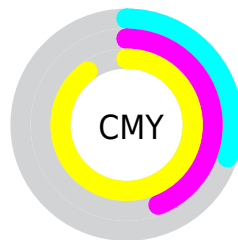


Cyan (0%)

Magenta (21%)

Yellow (86%)

Black (30%)



Cyan (30%)


Magenta (44%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9999, 0.4553, 0.4643 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 28.9999, 0.4553, 0.4643 by changing the saturation by 10% instead.


 28.9999, 0.4553,
0.4643


 28.9999, 0.4553,
0.4643


297.2145, 0.3858,
0.4001

 19.0807, 0.4690,
0.4761


 58.0769, 0.4321,
0.4434

 11.7286, 0.4839,
0.4881


 78.0036, 0.4226,
0.4347


 6.5592, 0.5001,
0.4999


 102.0349, 0.4143,
0.4270

 3.1880, 0.5035,
0.4965

 130.5552, 0.4071,
0.4203

 1.2306, 0.5095,
0.4905

 163.9489, 0.4008,
0.4143

 0.0865, 0.6584,
0.3416

 202.6004, 0.3952,

 0.0000, 0.0000,

0.4090

0.0000

246.8942, 0.3903,
0.4043

■ 28.9999, 0.4553,
0.4643

■ 28.9999, 0.4553,
0.4643

■ 27.6913, 0.4654,
0.4657

■ 30.4096, 0.4423,
0.4582

■ 27.1869, 0.4692,
0.4657

■ 31.9254, 0.4267,
0.4477

■ 33.5560, 0.4095,
0.4335

■ 35.3076, 0.3912,
0.4165

■ 37.1860, 0.3728,
0.3979

■ 39.1963, 0.3548,
0.3784

■ 41.3433, 0.3377,
0.3590

■ 43.6314, 0.3217,
0.3400

■ 46.0648, 0.3070,
0.3219

Harmonies

Analogous

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



28.9999, 0.5025, 0.3965



28.9999, 0.4553, 0.4643



28.9999, 0.3749, 0.5108

Triad

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



28.9999, 0.4553, 0.4643



28.9999, 0.1602, 0.2884



28.9999, 0.3175, 0.2177

Complementary

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



28.9999, 0.4553, 0.4643



6.9121, 0.1693, 0.1140

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.



28.9999, 0.2294, 0.1902



28.9999, 0.4553, 0.4643



28.9999, 0.1511, 0.2185

Square

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



28.9999, 0.4553, 0.4643



28.9999, 0.2052, 0.3963



28.9999, 0.1739, 0.1888



28.9999, 0.4198, 0.2666

Rectangle

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



28.9999, 0.4553, 0.4643



28.9999, 0.3139, 0.5080



28.9999, 0.1739, 0.1888



28.9999, 0.2850, 0.2058

Sweetspot

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



29.0013, 0.4553, 0.4643



70.0439, 0.3556, 0.3793



10.6455, 0.5470, 0.2934



15.2402, 0.3617, 0.3860



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.



29.0013, 0.4553, 0.4643



48.3318, 0.4702, 0.4649



37.9264, 0.3781, 0.5273



9.5538, 0.3269, 0.3462



19.3186, 0.4685, 0.4662



0.6916, 0.4522, 0.4792

Inverse Universe

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



6.9121, 0.1693, 0.1140



8.6334, 0.1569, 0.0848



5.0271, 0.1802, 0.0857



8.5507, 0.2985, 0.3112



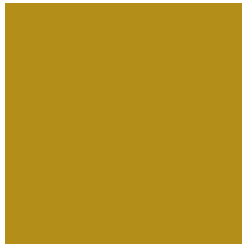
3.6081, 0.1581, 0.0891



0.2054, 0.1733, 0.1439

Previews

White Background



This preview shows how the Yxy color 28.9999, 0.4553, 0.4643 looks on a white background.

Color Contrast Check

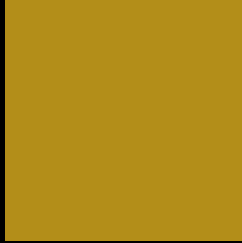
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9999, 0.4553, 0.4643 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 28.9999, 0.4553, 0.4643

Background



This preview shows how black text looks on a background with the Yxy color 28.9999, 0.4553, 0.4643.



This preview shows how white text looks on a background with the Yxy color 28.9999, 0.4553, 0.4643.

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

28.9999, 0.4553, 0.4643

Protanopia

28.9459, 0.4334, 0.4797

Deuteranopia

28.8587, 0.4647, 0.4555



Tritanopia

28.8946, 0.3641, 0.3151

Trichromacy



Original Color

28.9999, 0.4553, 0.4643

Protanomaly

28.8714, 0.4416, 0.4741

Deuteranomaly

28.8980, 0.4617, 0.4586

Tritanomaly

28.5765, 0.4085, 0.3817

Monochromacy



Original Color

28.9999, 0.4553, 0.4643

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.8016, 0.3725, 0.3984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9999, 0.4553, 0.4643 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, 142, 25)` looks like.

```
.text, #text, p{  
    color:rgb(179, 142, 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, 142, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 142, 25) }
```

Border

The CSS property to change the border of an element to Yxy 28.9999, 0.4553, 0.4643 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, 142, 25) }
```

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

```
.border{ border-color:rgb(179, 142, 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, 142, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 142, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 142, 25);  
box-shadow:4px 4px 4px 4px rgb(179, 142,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9999, 0.4553, 0.4643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 142, 25) }
```

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

```
.background{ background-color: rgb(179,  
142, 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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