

Converting Colors

$Y_{xy}(27.9606, 0.4524, 0.4494)$

Have a look what the booklet for
Yxy(27.9606, 0.4524, 0.4494)
contains.

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Color

Yxy(27.9278, 0.4523, 0.4495)

Conversions

Conversions Part 1

Format	Color
Hex	B38A2A
RGB	179, 138, 42
RGB Percent	70%, 54%, 16%
CMY	0.2979, 0.4589, 0.8352
CMYK	0.00, 0.23, 0.77, 0.30
HSL	42°, 62%, 43%
HSV	42°, 77%, 70%
XYZ	28.1018, 27.9278, 6.1012
YIQ	139.3150, 55.2520, -21.1640

Conversions

Conversions Part 2

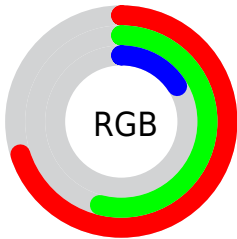
Format	Color
R_{YB}	101, 179, 42
Decimal	11766314
CIE _{Lab}	59.82, 6.27, 54.20
CIE _{LCh}	60, 54.558, 83.401
Yxy	27.9278, 0.4523, 0.4495
Android (android.graphics.Color)	4289956394 (0xFFB38A2A)
YUV	139.3150, -47.9763, 34.8037
Hunter-Lab	52.8468, 2.4372, 30.1476

Details

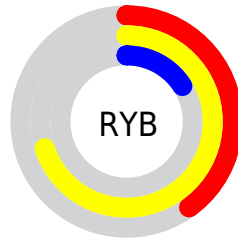
The Yxy color **27.9278, 0.4523, 0.4495** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.9427, 0.1845, 0.1505**, and the grayscale version is **26.1213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2469, 0.4279, 0.4305**, and **11.1170, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **26.3276, 0.4676, 0.4543**, and if you desaturate by 10%, it is **29.6640, 0.4345, 0.4401**.

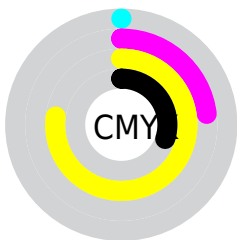
Distribution



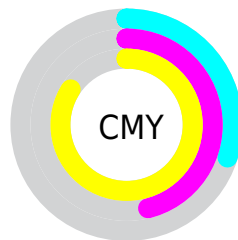
- Red (70%)
- Green (54%)
- Blue (16%)



- Red (40%)
- Yellow (70%)
- Blue (16%)



- Cyan (0%)
- Magenta (23%)
- Yellow (77%)
- Black (30%)



- Cyan (30%)
- Magenta (46%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9278, 0.4523, 0.4495 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 27.9278, 0.4523, 0.4495 by changing the saturation by 10% instead.

 27.9278, 0.4523,
0.4495


 27.9278, 0.4523,
0.4495


292.1218, 0.3818,
0.3913


 18.2712, 0.4677,
0.4608


 56.3692, 0.4277,
0.4301


 11.1449, 0.4849,
0.4722


 75.9227, 0.4181,
0.4222

 6.1644, 0.5107,
0.4893

 99.5441, 0.4098,
0.4153

 2.9453, 0.5171,
0.4829

 127.6177, 0.4026,
0.4093

 1.1032, 0.5284,
0.4716

 160.5278, 0.3964,
0.4039

 0.0000, 1.0000,
0.0000

 198.6590, 0.3909,

 0.0000, 0.0000,

0.3992

0.0000

242.3955, 0.3861,
0.3951

■ 27.9278, 0.4523,
0.4495

■ 27.9278, 0.4523,
0.4495

■ 26.3276, 0.4676,
0.4543

■ 29.6640, 0.4345,
0.4401

■ 24.8490, 0.4800,
0.4543

■ 31.5398, 0.4153,
0.4271

■ 24.3579, 0.4841,
0.4538

■ 33.5635, 0.3954,
0.4113

■ 35.7414, 0.3757,
0.3939

■ 38.0790, 0.3567,
0.3758

■ 40.5817, 0.3390,
0.3577

■ 43.2545, 0.3226,
0.3401

■ 46.1019, 0.3077,
0.3233

■ 49.1285, 0.2943,
0.3076

Harmonies

Analogous

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



27.9278, 0.4890, 0.3871



27.9278, 0.4523, 0.4495



27.9278, 0.3812, 0.4928

Triad

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



27.9278, 0.4523, 0.4495



27.9278, 0.1748, 0.3028



27.9278, 0.3076, 0.2219

Complementary

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



27.9278, 0.4523, 0.4495



9.9427, 0.1845, 0.1505

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.



27.9278, 0.2290, 0.1987



27.9278, 0.4523, 0.4495



27.9278, 0.1620, 0.2334

Square

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



27.9278, 0.4523, 0.4495



27.9278, 0.2215, 0.4014



27.9278, 0.1801, 0.2009



27.9278, 0.4006, 0.2660

Rectangle

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



27.9278, 0.4523, 0.4495



27.9278, 0.3252, 0.4931



27.9278, 0.1801, 0.2009



27.9278, 0.2785, 0.2116

Sweetspot

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



27.9292, 0.4523, 0.4495



69.5511, 0.3510, 0.3701



11.8705, 0.4968, 0.2809



15.0622, 0.3575, 0.3766



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.



27.9292, 0.4523, 0.4495



45.2561, 0.4766, 0.4547



39.0577, 0.3838, 0.5095



9.4683, 0.3270, 0.3449



17.3246, 0.4831, 0.4546



0.6413, 0.4615, 0.4717

Inverse Universe

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



9.9427, 0.1845, 0.1505



12.0738, 0.1660, 0.1121



6.1935, 0.1880, 0.1017



8.6313, 0.2985, 0.3126



4.2401, 0.1617, 0.1020



0.2382, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 27.9278, 0.4523, 0.4495 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 27.9278, 0.4523, 0.4495 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 27.9278, 0.4523, 0.4495

Background



This preview shows how black text looks on a background with the Yxy color 27.9278, 0.4523, 0.4495.



This preview shows how white text looks on a background with the Yxy color 27.9278, 0.4523, 0.4495.

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

27.9278, 0.4523, 0.4495

Protanopia

28.1140, 0.4242, 0.4681

Deuteranopia

27.8822, 0.4556, 0.4470



Tritanopia

27.8789, 0.3675, 0.3151

Trichromacy



Original Color

27.9278, 0.4523, 0.4495

Protanomaly

27.8453, 0.4349, 0.4612

Deuteranomaly

27.7618, 0.4545, 0.4477

Tritanomaly

27.5693, 0.4055, 0.3692

Monochromacy



Original Color

27.9278, 0.4523, 0.4495

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.3347, 0.3671, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9278, 0.4523, 0.4495 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, 138, 42)` looks like.

```
.text, #text, p{  
    color:rgb(179, 138, 42)  
}
```

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, 138, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 138, 42) }
```

Border

The CSS property to change the border of an element to Yxy 27.9278, 0.4523, 0.4495 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, 138, 42) }
```

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

```
.border{ border-color:rgb(179, 138, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 138, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 138, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 138, 42);  
box-shadow:4px 4px 4px 4px rgb(179, 138,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9278, 0.4523, 0.4495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 138, 42) }
```

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

```
.background{ background-color: rgb(179,  
138, 42) }
```

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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