

Converting Colors

$Y_{xy}(27.7727, 0.4564, 0.4551)$

Have a look what the booklet for
Yxy(27.7727, 0.4564, 0.4551)
contains.

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Color

Yxy(27.8762, 0.4565, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	B38A22
RGB	179, 138, 34
RGB Percent	70%, 54%, 13%
CMY	0.2980, 0.4588, 0.8665
CMYK	0.00, 0.23, 0.81, 0.30
HSL	43°, 68%, 42%
HSV	43°, 81%, 70%
XYZ	27.9681, 27.8762, 5.4221
YIQ	138.4030, 57.8200, -23.6520

Conversions

Conversions Part 2

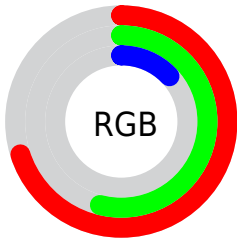
Format	Color
R_{YB}	91, 179, 34
Decimal	11766306
CIE _{Lab}	59.78, 5.94, 57.07
CIE _{LCh}	60, 57.377, 84.055
Yxy	27.8762, 0.4565, 0.4550
Android (android.graphics.Color)	4289956386 (0xFFB38A22)
YUV	138.4030, -51.4707, 35.6036
Hunter-Lab	52.7979, 2.1586, 30.8698

Details

The Yxy color **27.8762, 0.4565, 0.4550** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.6313, 0.1777, 0.1356**, and the grayscale version is **25.7641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1433, 0.4316, 0.4355**, and **11.1170, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **26.3808, 0.4698, 0.4579**, and if you desaturate by 10%, it is **29.4959, 0.4404, 0.4473**.

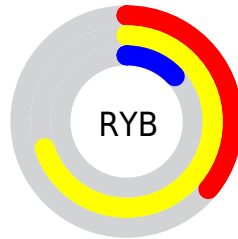
Distribution



Red (70%)

Green (54%)

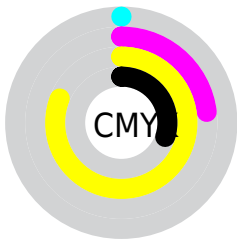
Blue (13%)



Red (36%)

Yellow (70%)

Blue (13%)

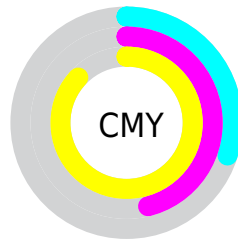


Cyan (0%)

Magenta (23%)

Yellow (81%)

Black (30%)



Cyan (30%)


Magenta (46%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8762, 0.4565, 0.4550 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 27.8762, 0.4565, 0.4550 by changing the saturation by 10% instead.


 27.8762, 0.4565,
0.4550


 27.8762, 0.4565,
0.4550


291.8749, 0.3847,
0.3949

 18.2324, 0.4716,
0.4662


 56.2867, 0.4319,
0.4353

 11.1169, 0.4881,
0.4773


 75.8222, 0.4220,
0.4271

 6.1455, 0.5096,
0.4904

 99.4237, 0.4136,
0.4199

 2.9338, 0.5157,
0.4843

 127.4756, 0.4062,
0.4136

 1.0973, 0.5264,
0.4736

 160.3622, 0.3998,
0.4081

 0.0000, 1.0000,
0.0000

 198.4681, 0.3942,

 0.0000, 0.0000,

0.4031

0.0000

242.1775, 0.3892,
0.3988

■ 27.8762, 0.4565,
0.4550

■ 27.8762, 0.4565,
0.4550

■ 26.3808, 0.4698,
0.4579

■ 29.4959, 0.4404,
0.4473

■ 25.1214, 0.4798,
0.4572

■ 31.2439, 0.4223,
0.4355

■ 33.1287, 0.4032,
0.4205

■ 35.1566, 0.3837,
0.4034

■ 37.3333, 0.3647,
0.3851

■ 39.6641, 0.3466,
0.3665

■ 42.1540, 0.3297,
0.3483

■ 44.8076, 0.3142,
0.3307

■ 47.6293, 0.3001,
0.3141

Harmonies

Analogous

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



27.8762, 0.4970, 0.3895



27.8762, 0.4565, 0.4550



27.8762, 0.3813, 0.5014

Triad

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



27.8762, 0.4565, 0.4550



27.8762, 0.1681, 0.2988



27.8762, 0.3091, 0.2182

Complementary

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



27.8762, 0.4565, 0.4550



8.6313, 0.1777, 0.1356

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.



27.8762, 0.2265, 0.1937



27.8762, 0.4565, 0.4550



27.8762, 0.1559, 0.2274

Square

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



27.8762, 0.4565, 0.4550



27.8762, 0.2153, 0.4030



27.8762, 0.1754, 0.1950



27.8762, 0.4071, 0.2642

Rectangle

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



27.8762, 0.4565, 0.4550



27.8762, 0.3228, 0.5020



27.8762, 0.1754, 0.1950



27.8762, 0.2785, 0.2074

Sweetspot

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



27.8776, 0.4565, 0.4550



69.5789, 0.3526, 0.3729



11.2391, 0.5181, 0.2849



15.0894, 0.3590, 0.3794



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.



27.8776, 0.4565, 0.4550



45.3313, 0.4780, 0.4570



38.6137, 0.3825, 0.5174



9.4924, 0.3270, 0.3453



17.8665, 0.4789, 0.4579



0.6551, 0.4589, 0.4739

Inverse Universe

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



8.6313, 0.1777, 0.1356



10.3316, 0.1613, 0.0987



5.5395, 0.1832, 0.0929



8.6086, 0.2985, 0.3122



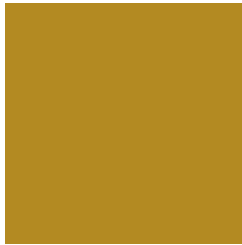
4.0472, 0.1606, 0.0981



0.2289, 0.1767, 0.1561

Previews

White Background



This preview shows how the Yxy color 27.8762, 0.4565, 0.4550 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 27.8762, 0.4565, 0.4550 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 27.8762, 0.4565, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 27.8762, 0.4565, 0.4550.



This preview shows how white text looks on a background with the Yxy color 27.8762, 0.4565, 0.4550.

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

27.8762, 0.4565, 0.4550

Protanopia

28.0596, 0.4285, 0.4744

Deuteranopia

27.9578, 0.4605, 0.4511



Tritanopia

27.9746, 0.3698, 0.3165

Trichromacy



Original Color

27.8762, 0.4565, 0.4550

Protanomaly

27.7922, 0.4391, 0.4671

Deuteranomaly

27.8364, 0.4594, 0.4518

Tritanomaly

27.4899, 0.4101, 0.3748

Monochromacy



Original Color

27.8762, 0.4565, 0.4550

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.8694, 0.3707, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8762, 0.4565, 0.4550 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(179, 138, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 138, 34) }
```

Border

The CSS property to change the border of an element to Yxy 27.8762, 0.4565, 0.4550 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, 34) }
```

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

```
.border{ border-color:rgb(179, 138, 34) }
```

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, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 138, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 138, 34);  
box-shadow:4px 4px 4px 4px rgb(179, 138,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8762, 0.4565, 0.4550 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, 34) }
```

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

```
.background{ background-color: rgb(179,  
138, 34) }
```

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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