

Converting Colors

$Y_{xy}(38.1025, 0.4550, 0.4524)$

Have a look what the booklet for
Yxy(38.1025, 0.4550, 0.4524)
contains.

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Color

Yxy(38.1075, 0.4549, 0.4523)

Conversions

Conversions Part 1

Format	Color
Hex	CE9F2D
RGB	206, 159, 45
RGB Percent	81%, 62%, 18%
CMY	0.1921, 0.3765, 0.8235
CMYK	0.00, 0.23, 0.78, 0.19
HSL	42°, 64%, 49%
HSV	42°, 78%, 81%
XYZ	38.3266, 38.1075, 7.8187
YIQ	160.0570, 64.6060, -25.4900

Conversions

Conversions Part 2

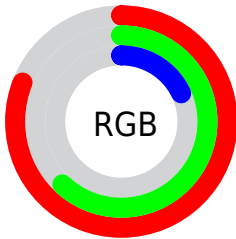
Format	Color
R_{YB}	111, 206, 45
Decimal	13541165
CIE _{Lab}	68.10, 6.90, 61.87
CIE _{LCh}	68, 62.253, 83.641
Yxy	38.1075, 0.4549, 0.4523
Android (android.graphics.Color)	4291731245 (0xFFCE9F2D)
YUV	160.0570, -56.7231, 40.2920
Hunter-Lab	61.7313, 2.7940, 35.7024

Details

The Yxy color **38.1075, 0.4549, 0.4523** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **12.6708, 0.1809, 0.1428**, and the grayscale version is **35.4275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7686, 0.4233, 0.4386**, and **16.9282, 0.4743, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **35.9690, 0.4694, 0.4561**, and if you desaturate by 10%, it is **40.4278, 0.4378, 0.4437**.

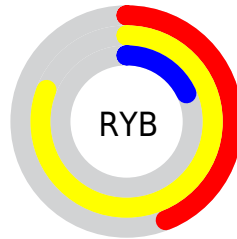
Distribution



Red (81%)

Green (62%)

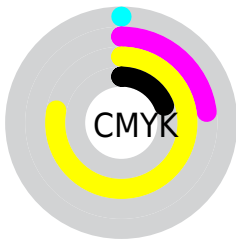
Blue (18%)



Red (44%)

Yellow (81%)

Blue (18%)

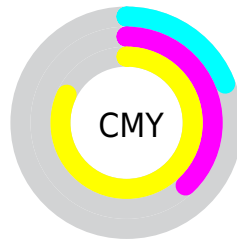


Cyan (0%)

Magenta (23%)

Yellow (78%)

Black (19%)



Cyan (19%)


Magenta (38%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1075, 0.4549, 0.4523 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 38.1075, 0.4549, 0.4523 by changing the saturation by 10% instead.


 38.1075, 0.4549,
0.4523


 38.1075, 0.4549,
0.4523


338.0809, 0.3874,
0.3966


 26.0661, 0.4686,
0.4624


 72.2729, 0.4323,
0.4345


 16.8731, 0.4836,
0.4725


 95.1657, 0.4232,
0.4270

 10.1441, 0.5027,
0.4846

 122.4444, 0.4152,
0.4204

 5.4946, 0.5140,
0.4860

 154.4935, 0.4082,
0.4145

 2.5403, 0.5217,
0.4783

 191.6973, 0.4021,
0.4092

 0.8967, 0.5354,
0.4646

 234.4402, 0.3966,

 0.0000, 0.0000,

0.4045

0.0000

283.1066, 0.3917,
0.4003

■ 38.1075, 0.4549,
0.4523

■ 38.1075, 0.4549,
0.4523

■ 35.9690, 0.4694,
0.4561

■ 40.4278, 0.4378,
0.4437

■ 33.9904, 0.4808,
0.4552

■ 42.9355, 0.4189,
0.4311

■ 33.6380, 0.4829,
0.4548

■ 45.6424, 0.3991,
0.4156

■ 48.5572, 0.3793,
0.3981

■ 51.6881, 0.3601,
0.3797

■ 55.0423, 0.3420,
0.3612

■ 58.6270, 0.3253,
0.3431

■ 62.4485, 0.3100,
0.3259

■ 66.5133, 0.2962,
0.3097

Harmonies

Analogous

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



38.1075, 0.4935, 0.3882



38.1075, 0.4549, 0.4523



38.1075, 0.3817, 0.4974

Triad

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



38.1075, 0.4549, 0.4523



38.1075, 0.1712, 0.3010



38.1075, 0.3080, 0.2197

Complementary

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



38.1075, 0.4549, 0.4523



12.6708, 0.1809, 0.1428

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.



38.1075, 0.2273, 0.1959



38.1075, 0.4549, 0.4523



38.1075, 0.1586, 0.2303

Square

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



38.1075, 0.4549, 0.4523



38.1075, 0.2183, 0.4028



38.1075, 0.1774, 0.1977



38.1075, 0.4038, 0.2648

Rectangle

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



38.1075, 0.4549, 0.4523



38.1075, 0.3243, 0.4981



38.1075, 0.1774, 0.1977



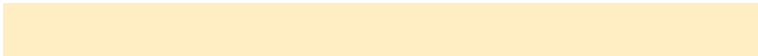
38.1075, 0.2781, 0.2091

Sweetspot

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



38.1094, 0.4549, 0.4523



86.3392, 0.3511, 0.3707



15.7958, 0.5054, 0.2813



18.0604, 0.3578, 0.3775



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.1094, 0.4549, 0.4523



56.0020, 0.4776, 0.4558



53.3108, 0.3845, 0.5129



12.5219, 0.3273, 0.3453



20.8867, 0.4817, 0.4557



1.2045, 0.4668, 0.4676

Inverse Universe

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



12.6708, 0.1809, 0.1428



13.8651, 0.1636, 0.1054



7.9205, 0.1844, 0.0964



11.3688, 0.2983, 0.3121



4.8899, 0.1609, 0.0992



0.3848, 0.1720, 0.1392

Previews

White Background



This preview shows how the Yxy color 38.1075, 0.4549, 0.4523 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 38.1075, 0.4549, 0.4523 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 ✓ Pass

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

Yxy 38.1075, 0.4549, 0.4523

Background



This preview shows how black text looks on a background with the Yxy color 38.1075, 0.4549, 0.4523.



This preview shows how white text looks on a background with the Yxy color 38.1075, 0.4549, 0.4523.

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

38.1075, 0.4549, 0.4523

Protanopia

38.4075, 0.4273, 0.4713

Deuteranopia

38.2063, 0.4583, 0.4488



Tritanopia

37.8640, 0.3684, 0.3143

Trichromacy



Original Color

38.1075, 0.4549, 0.4523

Protanomaly

38.2175, 0.4376, 0.4644

Deuteranomaly

38.0609, 0.4574, 0.4495

Tritanomaly

37.4661, 0.4077, 0.3719

Monochromacy



Original Color

38.1075, 0.4549, 0.4523

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.7967, 0.3692, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1075, 0.4549, 0.4523 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(206, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(206, 159, 45)  
}
```

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(206, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 159, 45) }
```

Border

The CSS property to change the border of an element to Yxy 38.1075, 0.4549, 0.4523 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(206, 159, 45) }
```

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

```
.border{ border-color:rgb(206, 159, 45) }
```

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

Here you see how a box with a 4 pixel rgb(206, 159, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(206, 159,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1075, 0.4549, 0.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 159, 45) }
```

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

```
.background{ background-color: rgb(206,  
159, 45) }
```

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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