

Converting Colors

$Y_{xy}(38.5330, 0.4740, 0.4515)$

Have a look what the booklet for
Yxy(38.5330, 0.4740, 0.4515)
contains.

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Color

Yxy(38.4550, 0.4743, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	D89C1B
RGB	216, 156, 27
RGB Percent	85%, 61%, 11%
CMY	0.1529, 0.3882, 0.8941
CMYK	0.00, 0.28, 0.87, 0.15
HSL	41°, 78%, 48%
HSV	41°, 87%, 85%
XYZ	40.4059, 38.4550, 6.3297
YIQ	159.2340, 77.1690, -27.3990

Conversions

Conversions Part 2

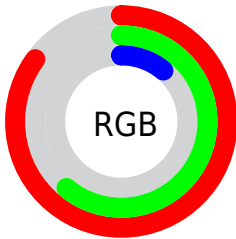
Format	Color
RYB	115, 216, 27
Decimal	14195739
CIELab	68.35, 12.36, 67.96
CIELCh	68, 69.077, 79.693
Yxy	38.4550, 0.4743, 0.4514
Android (android.graphics.Color)	4292385819 (0xFFD89C1B)
YUV	159.2340, -65.1914, 49.7838
Hunter-Lab	62.0121, 7.7859, 37.3567

Details

The Yxy color **38.4550, 0.4743, 0.4514** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **12.0076, 0.1717, 0.1268**, and the grayscale version is **35.0631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0413, 0.4322, 0.4455**, and **17.1711, 0.4904, 0.4488** is the 20% darker color. If you saturate the color by 10%, you get **36.1528, 0.4869, 0.4500**, and if you desaturate by 10%, it is **40.9630, 0.4585, 0.4479**.

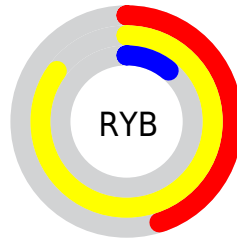
Distribution



Red (85%)

Green (61%)

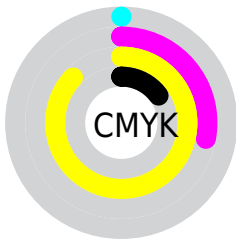
Blue (11%)



Red (45%)

Yellow (85%)

Blue (11%)

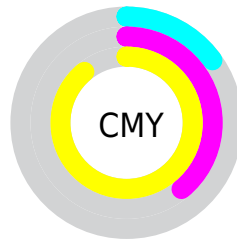


Cyan (0%)

Magenta (28%)

Yellow (87%)

Black (15%)



Cyan (15%)


Magenta (39%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4550, 0.4743, 0.4514 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 38.4550, 0.4743, 0.4514 by changing the saturation by 10% instead.

 38.4550, 0.4743,
0.4514

 38.4550, 0.4743,
0.4514


339.5678, 0.3988,
0.3995

 26.3360, 0.4889,
0.4592


 72.8050, 0.4496,
0.4360


 17.0752, 0.5046,
0.4659


 95.8048, 0.4394,
0.4292


 10.2881, 0.5258,
0.4742


 123.2003, 0.4304,
0.4229

 5.5904, 0.5342,
0.4658

 155.3760, 0.4225,
0.4172

 2.5977, 0.5473,
0.4527

 192.7162, 0.4155,
0.4121

 0.9255, 0.5703,
0.4297

 235.6053, 0.4093,

 0.0000, 1.0000,

0.4075


0.0000


284.4277, 0.4038,
0.4033


 0.0000, 0.0000,
0.0000

 38.4550, 0.4743,
0.4514


 38.4550, 0.4743,
0.4514


 36.1528, 0.4869,
0.4500


 40.9630, 0.4585,
0.4479

 35.6015, 0.4899,
0.4492

 43.6881, 0.4402,
0.4395

 46.6455, 0.4202,
0.4272

 49.8464, 0.3995,
0.4119

 53.3012, 0.3791,
0.3949

■ 57.0193, 0.3595,
0.3770

■ 61.0094, 0.3411,
0.3590

■ 65.2797, 0.3243,
0.3416

■ 69.8379, 0.3090,
0.3249

Harmonies

Analogous

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



38.4550, 0.5120, 0.3805



38.4550, 0.4743, 0.4514



38.4550, 0.3970, 0.5093

Triad

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



38.4550, 0.4743, 0.4514



38.4550, 0.1631, 0.3100



38.4550, 0.2936, 0.2058

Complementary

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



38.4550, 0.4743, 0.4514



12.0076, 0.1717, 0.1268

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.



38.4550, 0.2103, 0.1837



38.4550, 0.4743, 0.4514



38.4550, 0.1460, 0.2276

Square

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



38.4550, 0.4743, 0.4514



38.4550, 0.2179, 0.4264



38.4550, 0.1618, 0.1888



38.4550, 0.3993, 0.2513

Rectangle

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



38.4550, 0.4743, 0.4514



38.4550, 0.3353, 0.5200



38.4550, 0.1618, 0.1888



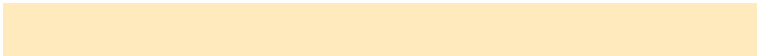
38.4550, 0.2621, 0.1956

Sweetspot

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



38.4569, 0.4743, 0.4514



83.7400, 0.3571, 0.3747



16.1216, 0.5282, 0.2787



17.5054, 0.3638, 0.3810



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.



38.4569, 0.4743, 0.4514



51.5515, 0.4907, 0.4486



59.4446, 0.3908, 0.5203



13.8241, 0.3274, 0.3449



21.2738, 0.4885, 0.4503



1.4290, 0.4737, 0.4621

Inverse Universe

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



12.0076, 0.1717, 0.1268



13.0974, 0.1613, 0.1007



6.6567, 0.1679, 0.0768



12.6457, 0.2982, 0.3126



5.5949, 0.1625, 0.1049



0.4847, 0.1722, 0.1400

Previews

White Background



This preview shows how the Yxy color 38.4550, 0.4743, 0.4514 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 38.4550, 0.4743, 0.4514 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 38.4550, 0.4743, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 38.4550, 0.4743, 0.4514.



This preview shows how white text looks on a background with the Yxy color 38.4550, 0.4743, 0.4514.

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

38.4550, 0.4743, 0.4514

Protanopia

38.4225, 0.4348, 0.4801

Deuteranopia

38.3728, 0.4680, 0.4574



Tritanopia

38.3391, 0.3838, 0.3161

Trichromacy



Original Color

38.4550, 0.4743, 0.4514

Protanomaly

38.2889, 0.4491, 0.4697

Deuteranomaly

38.3347, 0.4707, 0.4547

Tritanomaly

37.8147, 0.4288, 0.3769

Monochromacy



Original Color

38.4550, 0.4743, 0.4514

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3047, 0.3799, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4550, 0.4743, 0.4514 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(216, 156, 27)` looks like.

```
.text, #text, p{  
    color:rgb(216, 156, 27)  
}
```

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(216, 156, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 156, 27) }
```

Border

The CSS property to change the border of an element to Yxy 38.4550, 0.4743, 0.4514 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(216, 156, 27) }
```

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

```
.border{ border-color:rgb(216, 156, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 156, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 156, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 156, 27);  
box-shadow:4px 4px 4px 4px rgb(216, 156,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4550, 0.4743, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 156, 27) }
```

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

```
.background{ background-color: rgb(216,  
156, 27) }
```

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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