

Converting Colors

$Yxy(38.0393, 0.4500, 0.4038)$

Have a look what the booklet for
Yxy(38.0393, 0.4500, 0.4038)
contains.

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Color

Yxy(38.1612, 0.4505, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	DD9755
RGB	221, 151, 85
RGB Percent	87%, 59%, 33%
CMY	0.1332, 0.4079, 0.6667
CMYK	0.00, 0.32, 0.62, 0.13
HSL	29°, 67%, 60%
HSV	29°, 62%, 87%
XYZ	42.5325, 38.1612, 13.7180
YIQ	164.4060, 62.9060, -5.6860

Conversions

Conversions Part 2

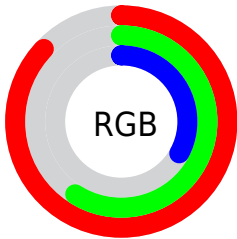
Format	Color
R _Y B	221, 213, 85
Decimal	14522197
CIE Lab	68.14, 19.77, 44.80
CIE LCh	68, 48.973, 66.189
Yxy	38.1612, 0.4505, 0.4042
Android (android.graphics.Color)	4292712277 (0xFFDD9755)
YUV	164.4060, -39.1472, 49.6329
Hunter-Lab	61.7748, 14.7930, 30.0761

Details

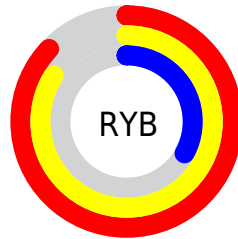
The Yxy color **38.1612, 0.4505, 0.4042** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **30.6102, 0.2162, 0.2319**, and the grayscale version is **37.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7002, 0.4047, 0.3998**, and **16.9231, 0.4872, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **34.3771, 0.4788, 0.4110**, and if you desaturate by 10%, it is **42.4125, 0.4226, 0.3941**.

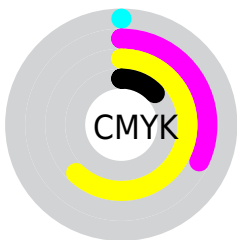
Distribution



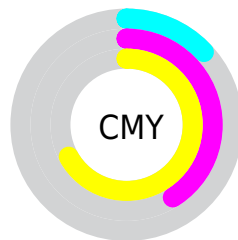
- Red (87%)
- Green (59%)
- Blue (33%)



- Red (87%)
- Yellow (84%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (62%)
- Black (13%)





- Cyan (13%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1612, 0.4505, 0.4042 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 38.1612, 0.4505, 0.4042 by changing the saturation by 10% instead.


 38.1612, 0.4505,
0.4042


 38.1612, 0.4505,
0.4042


338.3110, 0.3809,
0.3706


 26.1078, 0.4671,
0.4105


 72.3551, 0.4255,
0.3934


 16.9043, 0.4875,
0.4169

 95.2645, 0.4160,
0.3889


 10.1663, 0.5127,
0.4226


 122.5613, 0.4079,
0.3849

 5.5094, 0.5498,
0.4300

 154.6300, 0.4010,
0.3814

 2.5491, 0.5811,
0.4189

 191.8549, 0.3949,
0.3782

 0.9012, 0.6156,
0.3844

234.6204, 0.3896,

 0.0000, 1.0000,

0.3754

0.0000

283.3110, 0.3850,
0.3729

0.0000, 0.0000,
0.0000

38.1612, 0.4505,
0.4042

38.1612, 0.4505,
0.4042

34.3771, 0.4788,
0.4110

42.4125, 0.4226,
0.3941

31.0339, 0.5058,
0.4134

47.1439, 0.3962,
0.3820

28.1103, 0.5296,
0.4103

52.3751, 0.3721,
0.3690

25.9394, 0.5468,
0.4040

58.1222, 0.3506,
0.3558

64.4009, 0.3316,
0.3430

■ 71.2259, 0.3151,
0.3308

■ 78.6114, 0.3007,
0.3194

■ 86.1234, 0.2919,
0.3157

■ 93.1117, 0.2923,
0.3273

Harmonies

Analogous

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



38.1612, 0.4540, 0.3502



38.1612, 0.4505, 0.4042



38.1612, 0.4081, 0.4487

Triad

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



38.1612, 0.4505, 0.4042



38.1612, 0.2180, 0.3535



38.1612, 0.2695, 0.2252

Complementary

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



38.1612, 0.4505, 0.4042



30.6102, 0.2162, 0.2319

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.



38.1612, 0.2164, 0.2180



38.1612, 0.4505, 0.4042



38.1612, 0.1894, 0.2816

Square

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



38.1612, 0.4505, 0.4042



38.1612, 0.2733, 0.4271



38.1612, 0.1893, 0.2356



38.1612, 0.3417, 0.2535

Rectangle

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



38.1612, 0.4505, 0.4042



38.1612, 0.3661, 0.4631



38.1612, 0.1893, 0.2356



38.1612, 0.2491, 0.2203

Sweetspot

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



38.1631, 0.4505, 0.4042



83.2255, 0.3439, 0.3514



24.2503, 0.4021, 0.2499



17.2830, 0.3497, 0.3552



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.



38.1631, 0.4505, 0.4042



46.0559, 0.4873, 0.4123



66.5738, 0.4002, 0.4696



14.0889, 0.3279, 0.3404



15.2888, 0.5444, 0.4060



1.1626, 0.5187, 0.4264

Inverse Universe

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



30.6102, 0.2162, 0.2319



34.7470, 0.1996, 0.2071



14.0132, 0.1940, 0.1343



13.7205, 0.2982, 0.3174



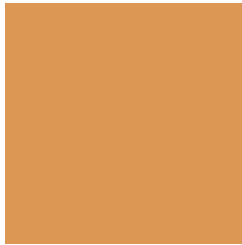
10.2245, 0.1788, 0.1635



0.8347, 0.1868, 0.1924

Previews

White Background



This preview shows how the Yxy color 38.1612, 0.4505, 0.4042 looks on a white background.

Color Contrast Check

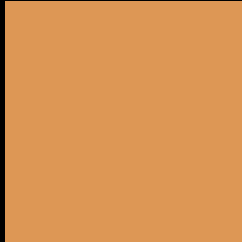
Large Text (above 18pt) WCAG AA × Fail

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 38.1612, 0.4505, 0.4042 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 38.1612, 0.4505, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 38.1612, 0.4505, 0.4042.



This preview shows how white text looks on a background with the Yxy color 38.1612, 0.4505, 0.4042.

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

38.1612, 0.4505, 0.4042

Protanopia

38.4429, 0.3960, 0.4326

Deuteranopia

38.3999, 0.4297, 0.4217



Tritanopia

38.1468, 0.3898, 0.3162

Trichromacy



Original Color

38.1612, 0.4505, 0.4042

Protanomaly

38.0646, 0.4161, 0.4220

Deuteranomaly

38.2659, 0.4374, 0.4147

Tritanomaly

37.9900, 0.4138, 0.3495

Monochromacy



Original Color

38.1612, 0.4505, 0.4042

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.8598, 0.3615, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1612, 0.4505, 0.4042 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(221, 151, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 151, 85)  
}
```

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(221, 151, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 151, 85) }
```

Border

The CSS property to change the border of an element to Yxy 38.1612, 0.4505, 0.4042 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(221, 151, 85) }
```

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

```
.border{ border-color:rgb(221, 151, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 151, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 151, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 151, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 151,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1612, 0.4505, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 151, 85) }
```

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

```
.background{ background-color: rgb(221,  
151, 85) }
```

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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