

Converting Colors

$Y_{xy}(40.5549, 0.4655, 0.4611)$

Have a look what the booklet for
Yxy(40.5549, 0.4655, 0.4611)
contains.

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Color

Yxy(40.5524, 0.4656, 0.4608)

Conversions

Conversions Part 1

Format	Color
Hex	D6A317
RGB	214, 163, 23
RGB Percent	84%, 64%, 9%
CMY	0.1609, 0.3607, 0.9099
CMYK	0.00, 0.24, 0.89, 0.16
HSL	44°, 81%, 46%
HSV	44°, 89%, 84%
XYZ	40.9748, 40.5524, 6.4771
YIQ	162.2890, 75.3360, -32.7280

Conversions

Conversions Part 2

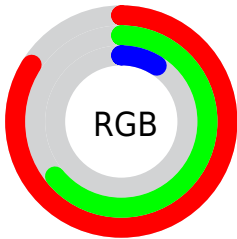
Format	Color
RYB	93, 214, 23
Decimal	14066455
CIELab	69.86, 7.62, 69.96
CIELCh	70, 70.377, 83.782
Yxy	40.5524, 0.4656, 0.4608
Android (android.graphics.Color)	4292256535 (0xFFD6A317)
YUV	162.2890, -68.6695, 45.3505
Hunter-Lab	63.6808, 3.4129, 38.5460

Details

The Yxy color **40.5524, 0.4656, 0.4608** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **9.9221, 0.1667, 0.1108**, and the grayscale version is **36.5755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0747, 0.4271, 0.4527**, and **18.4584, 0.4764, 0.4599** is the 20% darker color. If you saturate the color by 10%, you get **38.5146, 0.4758, 0.4600**, and if you desaturate by 10%, it is **42.7503, 0.4526, 0.4572**.

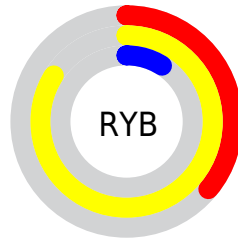
Distribution



Red (84%)

Green (64%)

Blue (9%)



Red (36%)

Yellow (84%)

Blue (9%)

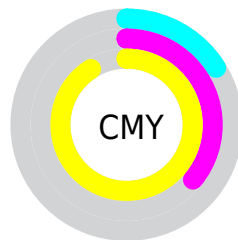


Cyan (0%)

Magenta (24%)

Yellow (89%)

Black (16%)



Cyan (16%)


Magenta (36%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5524, 0.4656, 0.4608 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 40.5524, 0.4656, 0.4608 by changing the saturation by 10% instead.

 40.5524, 0.4656,
0.4608


 40.5524, 0.4656,
0.4608


348.4464, 0.3957,
0.4040

 27.9695, 0.4786,
0.4699


 76.0040, 0.4431,
0.4436


 18.3027, 0.4922,
0.4783


 99.6414, 0.4337,
0.4360

 11.1675, 0.5107,
0.4893


 127.7325, 0.4254,
0.4292


 6.1796, 0.5157,
0.4843

 160.6616, 0.4180,
0.4231

 2.9546, 0.5234,
0.4766

 198.8132, 0.4115,
0.4176

 1.1081, 0.5368,
0.4632

 242.5716, 0.4056,


 0.0000, 1.0000,

0.4126


0.0000


292.3212, 0.4004,
0.4081

 0.0000, 0.0000,
0.0000


 40.5524, 0.4656,
0.4608


 40.5524, 0.4656,
0.4608

 38.5146, 0.4758,
0.4600


 42.7503, 0.4526,
0.4572

 38.3677, 0.4765,
0.4598

 45.1219, 0.4368,
0.4487

 47.6815, 0.4189,
0.4362

 50.4397, 0.3999,
0.4204

 53.4058, 0.3807,
0.4026

■ 56.5886, 0.3618,
0.3837

■ 59.9958, 0.3438,
0.3645

■ 63.6348, 0.3270,
0.3457

■ 67.5125, 0.3116,
0.3277

Harmonies

Analogous

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



40.5524, 0.5104, 0.3901



40.5524, 0.4656, 0.4608



40.5524, 0.3848, 0.5143

Triad

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



40.5524, 0.4656, 0.4608



40.5524, 0.1585, 0.2960



40.5524, 0.3073, 0.2107

Complementary

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



40.5524, 0.4656, 0.4608



9.9221, 0.1667, 0.1108

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.



40.5524, 0.2195, 0.1850



40.5524, 0.4656, 0.4608



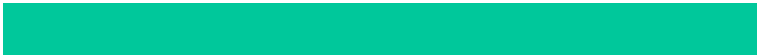
40.5524, 0.1461, 0.2199

Square

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



40.5524, 0.4656, 0.4608



40.5524, 0.2081, 0.4105



40.5524, 0.1663, 0.1862



40.5524, 0.4136, 0.2588

Rectangle

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



40.5524, 0.4656, 0.4608



40.5524, 0.3224, 0.5179



40.5524, 0.1663, 0.1862



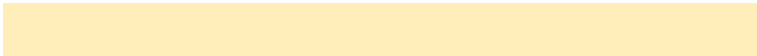
40.5524, 0.2746, 0.1994

Sweetspot

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



40.5544, 0.4656, 0.4608



85.1694, 0.3581, 0.3799



15.4395, 0.5512, 0.2898



17.8674, 0.3645, 0.3865



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.



40.5544, 0.4656, 0.4608



56.7945, 0.4772, 0.4593



56.9716, 0.3829, 0.5278



13.9334, 0.3273, 0.3460



23.3794, 0.4755, 0.4607



1.5428, 0.4637, 0.4701

Inverse Universe

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



9.9221, 0.1667, 0.1108



11.3560, 0.1581, 0.0893



6.5674, 0.1710, 0.0770



12.5421, 0.2982, 0.3114



4.8551, 0.1592, 0.0932



0.4295, 0.1687, 0.1274

Previews

White Background



This preview shows how the Yxy color 40.5524, 0.4656, 0.4608 looks on a white background.

Color Contrast Check

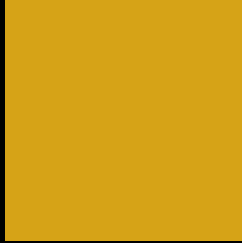
Large Text (above 18pt) WCAG AA × Fail

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 40.5524, 0.4656, 0.4608 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 40.5524, 0.4656, 0.4608

Background



This preview shows how black text looks on a background with the Yxy color 40.5524, 0.4656, 0.4608.



This preview shows how white text looks on a background with the Yxy color 40.5524, 0.4656, 0.4608.

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

40.5524, 0.4656, 0.4608

Protanopia

40.5379, 0.4366, 0.4818

Deuteranopia

40.5055, 0.4683, 0.4582



Tritanopia

40.6304, 0.3731, 0.3160

Trichromacy



Original Color

40.5524, 0.4656, 0.4608

Protanomaly

40.4930, 0.4477, 0.4737

Deuteranomaly

40.3537, 0.4674, 0.4588

Tritanomaly

40.0069, 0.4202, 0.3819

Monochromacy



Original Color

40.5524, 0.4656, 0.4608

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.8121, 0.3789, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5524, 0.4656, 0.4608 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(214, 163, 23)` looks like.

```
.text, #text, p{  
    color:rgb(214, 163, 23)  
}
```

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(214, 163, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 163, 23) }
```

Border

The CSS property to change the border of an element to Yxy 40.5524, 0.4656, 0.4608 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(214, 163, 23) }
```

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

```
.border{ border-color:rgb(214, 163, 23) }
```

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

Here you see how a box with a 4 pixel rgb(214, 163, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 163, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 163, 23);  
box-shadow:4px 4px 4px 4px rgb(214, 163,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5524, 0.4656, 0.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 163, 23) }
```

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

```
.background{ background-color: rgb(214,  
163, 23) }
```

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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