

Converting Colors

$Y_{xy}(40.4213, 0.4634, 0.4538)$

Have a look what the booklet for
Yxy(40.4213, 0.4634, 0.4538)
contains.

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Color

Yxy(40.4213, 0.4634, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	D7A225
RGB	215, 162, 37
RGB Percent	84%, 64%, 15%
CMY	0.1569, 0.3647, 0.8550
CMYK	0.00, 0.25, 0.83, 0.16
HSL	42°, 71%, 49%
HSV	42°, 83%, 84%
XYZ	41.2764, 40.4213, 7.3752
YIQ	163.5970, 71.7130, -27.6390

Conversions

Conversions Part 2

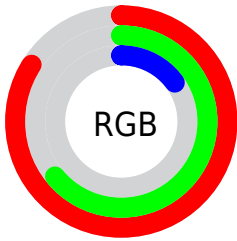
Format	Color
RYB	112, 215, 37
Decimal	14131749
CIELab	69.77, 8.95, 66.35
CIELCh	70, 66.950, 82.321
Yxy	40.4213, 0.4634, 0.4538
Android (android.graphics.Color)	4292321829 (0xFFD7A225)
YUV	163.5970, -62.4123, 45.0804
Hunter-Lab	63.5777, 4.6260, 37.6266

Details

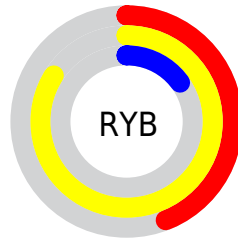
The Yxy color **40.4213, 0.4634, 0.4538** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **12.6054, 0.1754, 0.1325**, and the grayscale version is **37.1996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6939, 0.4238, 0.4464**, and **18.3374, 0.4792, 0.4577** is the 20% darker color. If you saturate the color by 10%, you get **38.1282, 0.4766, 0.4551**, and if you desaturate by 10%, it is **42.9126, 0.4472, 0.4476**.

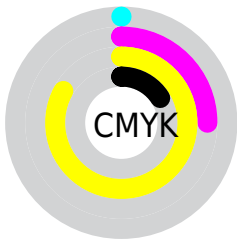
Distribution



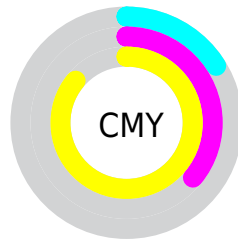
- Red (84%)
- Green (64%)
- Blue (15%)



- Red (44%)
- Yellow (84%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (83%)
- Black (16%)





- Cyan (16%)
- Magenta (36%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4213, 0.4634, 0.4538 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 40.4213, 0.4634, 0.4538 by changing the saturation by 10% instead.


 40.4213, 0.4634,
0.4538


 40.4213, 0.4634,
0.4538


347.8961, 0.3933,
0.3995

 27.8672, 0.4771,
0.4629


 75.8046, 0.4404,
0.4371


 18.2256, 0.4919,
0.4715


 99.4026, 0.4309,
0.4298

 11.1120, 0.5112,
0.4820


 127.4507, 0.4226,
0.4233

 6.1423, 0.5206,
0.4794

 160.3333, 0.4153,
0.4175

 2.9318, 0.5296,
0.4704

 198.4347, 0.4088,
0.4122

 1.0962, 0.5453,
0.4547

 242.1394, 0.4030,

 0.0000, 1.0000,

0.4075

0.0000

291.8317, 0.3979,
0.4033

■ 0.0000, 0.0000,
0.0000

■ 40.4213, 0.4634,
0.4538

■ 40.4213, 0.4634,
0.4538

■ 38.1282, 0.4766,
0.4551

■ 42.9126, 0.4472,
0.4476

■ 36.5794, 0.4846,
0.4535

■ 45.6097, 0.4287,
0.4369

■ 48.5265, 0.4090,
0.4227

■ 51.6733, 0.3889,
0.4060

■ 55.0595, 0.3692,
0.3880

■ 58.6936, 0.3504,
0.3696

■ 62.5838, 0.3329,
0.3513

■ 66.7376, 0.3169,
0.3338

■ 71.1622, 0.3024,
0.3171

Harmonies

Analogous

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



40.4213, 0.5028, 0.3861



40.4213, 0.4634, 0.4538



40.4213, 0.3874, 0.5047

Triad

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



40.4213, 0.4634, 0.4538



40.4213, 0.1661, 0.3029



40.4213, 0.3031, 0.2134

Complementary

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



40.4213, 0.4634, 0.4538



12.6054, 0.1754, 0.1325

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.



40.4213, 0.2202, 0.1897



40.4213, 0.4634, 0.4538



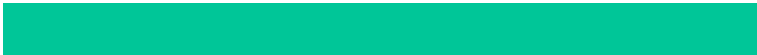
40.4213, 0.1520, 0.2274

Square

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



40.4213, 0.4634, 0.4538



40.4213, 0.2163, 0.4119



40.4213, 0.1700, 0.1925



40.4213, 0.4042, 0.2592

Rectangle

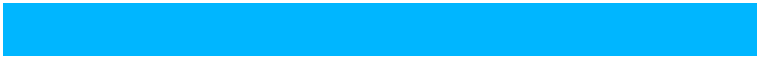
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4213, 0.4634, 0.4538



40.4213, 0.3276, 0.5092



40.4213, 0.1700, 0.1925



40.4213, 0.2722, 0.2028

Sweetspot

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



40.4233, 0.4634, 0.4538



85.0384, 0.3549, 0.3741



16.5127, 0.5231, 0.2828



17.7934, 0.3615, 0.3807



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.



40.4233, 0.4634, 0.4538



53.8525, 0.4843, 0.4532



58.3596, 0.3853, 0.5192



13.8667, 0.3274, 0.3453



22.0738, 0.4833, 0.4544



1.4726, 0.4697, 0.4652

Inverse Universe

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



12.6054, 0.1754, 0.1325



12.6410, 0.1606, 0.0977



7.6284, 0.1773, 0.0865



12.6052, 0.2982, 0.3121



5.2892, 0.1612, 0.1001



0.4624, 0.1708, 0.1350

Previews

White Background



This preview shows how the Yxy color 40.4213, 0.4634, 0.4538 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 40.4213, 0.4634, 0.4538 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 40.4213, 0.4634, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 40.4213, 0.4634, 0.4538.



This preview shows how white text looks on a background with the Yxy color 40.4213, 0.4634, 0.4538.

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

40.4213, 0.4634, 0.4538

Protanopia

40.4788, 0.4317, 0.4765

Deuteranopia

40.4213, 0.4634, 0.4538



Tritanopia

40.4298, 0.3754, 0.3161

Trichromacy



Original Color

40.4213, 0.4634, 0.4538

Protanomaly

40.4246, 0.4427, 0.4688

Deuteranomaly

40.4213, 0.4634, 0.4538

Tritanomaly

39.9427, 0.4170, 0.3747

Monochromacy



Original Color

40.4213, 0.4634, 0.4538

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.5697, 0.3741, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4213, 0.4634, 0.4538 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(215, 162, 37)` looks like.

```
.text, #text, p{  
    color:rgb(215, 162, 37)  
}
```

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(215, 162, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 162, 37) }
```

Border

The CSS property to change the border of an element to Yxy 40.4213, 0.4634, 0.4538 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(215, 162, 37) }
```

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

```
.border{ border-color:rgb(215, 162, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 162, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 162, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 162, 37);  
box-shadow:4px 4px 4px 4px rgb(215, 162,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4213, 0.4634, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 162, 37) }
```

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

```
.background{ background-color: rgb(215,  
162, 37) }
```

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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