

Converting Colors

$Y_{xy}(41.5012, 0.4780, 0.4546)$

Have a look what the booklet for
Yxy(41.5012, 0.4780, 0.4546)
contains.

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Color

Yxy(41.3715, 0.4784, 0.4542)

Conversions

Conversions Part 1

Format	Color
Hex	E0A10F
RGB	224, 161, 15
RGB Percent	88%, 63%, 6%
CMY	0.1215, 0.3686, 0.9413
CMYK	0.00, 0.28, 0.93, 0.12
HSL	42°, 87%, 47%
HSV	42°, 93%, 88%
XYZ	43.5758, 41.3715, 6.1392
YIQ	163.1930, 84.4140, -32.0500

Conversions

Conversions Part 2

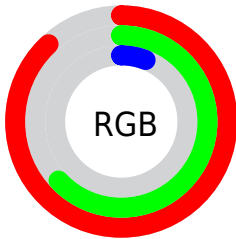
Format	Color
RYB	105, 224, 15
Decimal	14721295
CIELab	70.44, 12.98, 72.33
CIELCh	70, 73.490, 79.830
Yxy	41.3715, 0.4784, 0.4542
Android (android.graphics.Color)	4292911375 (0xFFE0A10F)
YUV	163.1930, -73.0591, 53.3277
Hunter-Lab	64.3207, 8.3685, 39.3654

Details

The Yxy color **41.3715, 0.4784, 0.4542** 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 **10.9318, 0.1653, 0.1103**, and the grayscale version is **37.0442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9809, 0.4303, 0.4537**, and **18.9384, 0.4902, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **39.7901, 0.4858, 0.4525**, and if you desaturate by 10%, it is **43.8996, 0.4652, 0.4534**.

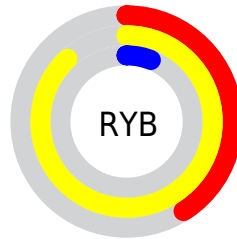
Distribution



Red (88%)

Green (63%)

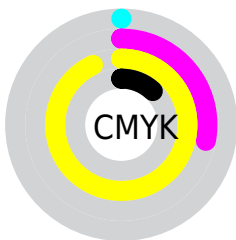
Blue (6%)



Red (41%)

Yellow (88%)

Blue (6%)

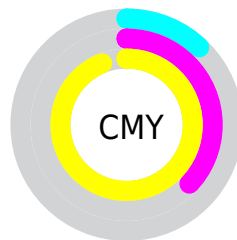


Cyan (0%)

Magenta (28%)

Yellow (93%)

Black (12%)



Cyan (12%)


Magenta (37%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3715, 0.4784, 0.4542 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 41.3715, 0.4784, 0.4542 by changing the saturation by 10% instead.

 41.3715, 0.4784,
0.4542


 41.3715, 0.4784,
0.4542


351.8709, 0.4029,
0.4029


 28.6095, 0.4925,
0.4614

 77.2475, 0.4541,
0.4395

 18.7856, 0.5073,
0.4673


 101.1303, 0.4440,
0.4327


 11.5155, 0.5263,
0.4737


 129.4888, 0.4350,
0.4265

 6.4147, 0.5344,
0.4656

 162.7074, 0.4270,
0.4208

 3.0988, 0.5467,
0.4533

 201.1706, 0.4199,
0.4157

 1.1835, 0.5678,
0.4322

 245.2626, 0.4136,

 0.0482, 0.8827,

0.4110

0.1173

295.3679, 0.4080,
0.4067

■ 0.0000, 0.0000,
0.0000

■ 41.3715, 0.4784,
0.4542

■ 41.3715, 0.4784,
0.4542

■ 39.7901, 0.4858,
0.4525

■ 43.8996, 0.4652,
0.4534

■ 46.6415, 0.4490,
0.4476

■ 49.6149, 0.4305,
0.4372

■ 52.8328, 0.4106,
0.4232

■ 56.3069, 0.3903,
0.4067

■ 60.0477, 0.3705,
0.3888

■ 64.0649, 0.3515,
0.3704

■ 68.3673, 0.3339,
0.3522

■ 72.9636, 0.3177,
0.3346

Harmonies

Analogous

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



41.3715, 0.5186, 0.3810



41.3715, 0.4784, 0.4542



41.3715, 0.3980, 0.5155

Triad

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



41.3715, 0.4784, 0.4542



41.3715, 0.1582, 0.3081



41.3715, 0.2931, 0.2024

Complementary

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



41.3715, 0.4784, 0.4542



10.9318, 0.1653, 0.1103

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.



41.3715, 0.2072, 0.1795



41.3715, 0.4784, 0.4542



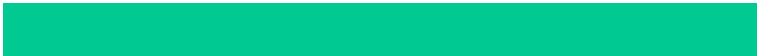
41.3715, 0.1412, 0.2235

Square

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



41.3715, 0.4784, 0.4542



41.3715, 0.2139, 0.4300



41.3715, 0.1576, 0.1844



41.3715, 0.4029, 0.2489

Rectangle

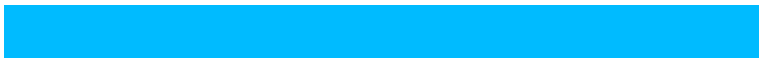
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.3715, 0.4784, 0.4542



41.3715, 0.3345, 0.5277



41.3715, 0.1576, 0.1844



41.3715, 0.2606, 0.1919

Sweetspot

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



41.3736, 0.4784, 0.4542



83.2512, 0.3606, 0.3794



16.7877, 0.5536, 0.2867



17.3251, 0.3690, 0.3874



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.



41.3736, 0.4784, 0.4542



53.1509, 0.4863, 0.4520



63.7565, 0.3879, 0.5271



15.2955, 0.3275, 0.3453



23.3671, 0.4845, 0.4535



1.7745, 0.4721, 0.4634

Inverse Universe

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



10.9318, 0.1653, 0.1103



12.5102, 0.1603, 0.0969



6.4886, 0.1632, 0.0701



13.9136, 0.2981, 0.3121



5.6828, 0.1613, 0.1007



0.5478, 0.1698, 0.1314

Previews

White Background



This preview shows how the Yxy color 41.3715, 0.4784, 0.4542 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 41.3715, 0.4784, 0.4542 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 41.3715, 0.4784, 0.4542

Background



This preview shows how black text looks on a background with the Yxy color 41.3715, 0.4784, 0.4542.



This preview shows how white text looks on a background with the Yxy color 41.3715, 0.4784, 0.4542.

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

41.3715, 0.4784, 0.4542

Protanopia

41.5397, 0.4379, 0.4841

Deuteranopia

41.4783, 0.4705, 0.4620



Tritanopia

41.3748, 0.3847, 0.3165

Trichromacy



Original Color

41.3715, 0.4784, 0.4542

Protanomaly

41.5414, 0.4528, 0.4732

Deuteranomaly

41.4366, 0.4731, 0.4593

Tritanomaly

40.6879, 0.4341, 0.3819

Monochromacy



Original Color

41.3715, 0.4784, 0.4542

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.2591, 0.3849, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3715, 0.4784, 0.4542 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(224, 161, 15)` looks like.

```
.text, #text, p{  
    color:rgb(224, 161, 15)  
}
```

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(224, 161, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 161, 15) }
```

Border

The CSS property to change the border of an element to Yxy 41.3715, 0.4784, 0.4542 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(224, 161, 15) }
```

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

```
.border{ border-color:rgb(224, 161, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 161, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 161, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 161, 15);  
box-shadow:4px 4px 4px 4px rgb(224, 161,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3715, 0.4784, 0.4542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 161, 15) }
```

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

```
.background{ background-color: rgb(224,  
161, 15) }
```

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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