

Converting Colors

$Y_{xy}(41.7049, 0.4788, 0.4407)$

Have a look what the booklet for
Yxy(41.7049, 0.4788, 0.4407)
contains.

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Color

Yxy(41.7658, 0.4791, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	E69F27
RGB	230, 159, 39
RGB Percent	90%, 62%, 15%
CMY	0.0981, 0.3764, 0.8470
CMYK	0.00, 0.31, 0.83, 0.10
HSL	38°, 79%, 53%
HSV	38°, 83%, 90%
XYZ	45.3947, 41.7658, 7.5895
YIQ	166.5490, 80.8360, -22.2680

Conversions

Conversions Part 2

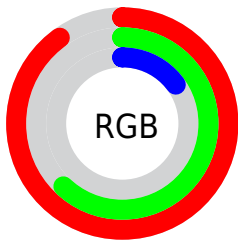
Format	Color
RYB	152, 230, 39
Decimal	15114023
CIELab	70.71, 17.09, 67.19
CIELCh	71, 69.328, 75.731
Yxy	41.7658, 0.4791, 0.4408
Android (android.graphics.Color)	4293304103 (0xFFE69F27)
YUV	166.5490, -62.8817, 55.6465
Hunter-Lab	64.6265, 12.2851, 38.2757

Details

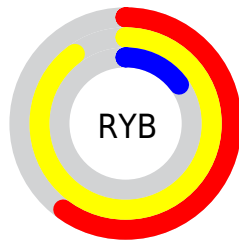
The Yxy color **41.7658, 0.4791, 0.4408** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.2940, 0.1798, 0.1503**, and the grayscale version is **38.6968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1977, 0.4248, 0.4424**, and **19.1601, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **38.8196, 0.4955, 0.4401**, and if you desaturate by 10%, it is **45.0118, 0.4596, 0.4362**.

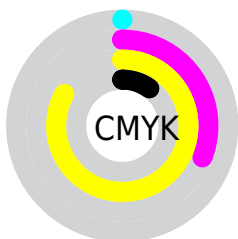
Distribution



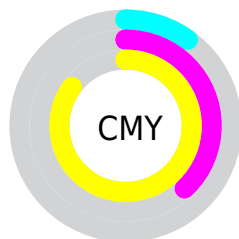
- Red (90%)
- Green (62%)
- Blue (15%)



- Red (60%)
- Yellow (90%)
- Blue (15%)



- Cyan (0%)
- Magenta (31%)
- Yellow (83%)
- Black (10%)



- Cyan (10%)
- Magenta (38%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7658, 0.4791, 0.4408 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 41.7658, 0.4791, 0.4408 by changing the saturation by 10% instead.


 41.7658, 0.4791,
0.4408


 41.7658, 0.4791,
0.4408


353.5112, 0.4013,
0.3950


 28.9180, 0.4946,
0.4474


 77.8451, 0.4534,
0.4275

 19.0188, 0.5118,
0.4528


 101.8452, 0.4429,
0.4215

 11.6838, 0.5335,
0.4583


 130.3317, 0.4337,
0.4160

 6.5288, 0.5482,
0.4518

 163.6887, 0.4256,
0.4109

 3.1692, 0.5639,
0.4361

 202.3008, 0.4184,
0.4064

 1.2207, 0.5901,
0.4099

 246.5523, 0.4120,

 0.0785, 0.8623,

0.4022

0.1377

296.8276, 0.4064,
0.3984

■ 0.0000, 0.0000,
0.0000

■ 41.7658, 0.4791,
0.4408

■ 41.7658, 0.4791,
0.4408

■ 38.8196, 0.4955,
0.4401

■ 45.0118, 0.4596,
0.4362

■ 36.9228, 0.5052,
0.4371

■ 48.5697, 0.4380,
0.4271

■ 52.4575, 0.4155,
0.4143

■ 56.6893, 0.3932,
0.3992

■ 61.2780, 0.3719,
0.3828

■ 66.2356, 0.3520,
0.3660

■ 71.5734, 0.3338,
0.3495

■ 77.3019, 0.3173,
0.3336

■ 83.4312, 0.3027,
0.3187

Harmonies

Analogous

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



41.7658, 0.5084, 0.3712



41.7658, 0.4791, 0.4408



41.7658, 0.4073, 0.5003

Triad

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



41.7658, 0.4791, 0.4408



41.7658, 0.1710, 0.3247



41.7658, 0.2816, 0.2038

Complementary

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



41.7658, 0.4791, 0.4408



17.2940, 0.1798, 0.1503

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.



41.7658, 0.2041, 0.1853



41.7658, 0.4791, 0.4408



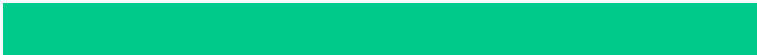
41.7658, 0.1493, 0.2381

Square

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



41.7658, 0.4791, 0.4408



41.7658, 0.2299, 0.4384



41.7658, 0.1606, 0.1945



41.7658, 0.3837, 0.2459

Rectangle

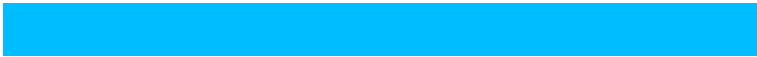
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7658, 0.4791, 0.4408



41.7658, 0.3477, 0.5160



41.7658, 0.1606, 0.1945



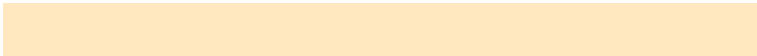
41.7658, 0.2521, 0.1948

Sweetspot

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



41.7679, 0.4791, 0.4408



82.3565, 0.3560, 0.3696



19.4477, 0.4973, 0.2665



17.1498, 0.3630, 0.3755



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.



41.7679, 0.4791, 0.4408



46.4810, 0.5058, 0.4366



70.1004, 0.3977, 0.5107



15.8696, 0.3277, 0.3437



21.1479, 0.5035, 0.4384



1.7393, 0.4880, 0.4507

Inverse Universe

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



17.2940, 0.1798, 0.1503



15.3633, 0.1652, 0.1147



8.1661, 0.1684, 0.0811



14.7602, 0.2981, 0.3138



7.1707, 0.1663, 0.1186



0.7032, 0.1744, 0.1478

Previews

White Background



This preview shows how the Yxy color 41.7658, 0.4791, 0.4408 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 41.7658, 0.4791, 0.4408 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 41.7658, 0.4791, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 41.7658, 0.4791, 0.4408.



This preview shows how white text looks on a background with the Yxy color 41.7658, 0.4791, 0.4408.

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

41.7658, 0.4791, 0.4408

Protanopia

42.0486, 0.4302, 0.4750

Deuteranopia

41.5837, 0.4643, 0.4542



Tritanopia

41.6875, 0.3935, 0.3168

Trichromacy



Original Color

41.7658, 0.4791, 0.4408

Protanomaly

41.9530, 0.4477, 0.4625

Deuteranomaly

41.5038, 0.4697, 0.4494

Tritanomaly

41.1867, 0.4345, 0.3708

Monochromacy



Original Color

41.7658, 0.4791, 0.4408

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.8541, 0.3789, 0.3884

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7658, 0.4791, 0.4408 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(230, 159, 39)` looks like.

```
.text, #text, p{  
    color:rgb(230, 159, 39)  
}
```

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(230, 159, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 159, 39) }
```

Border

The CSS property to change the border of an element to Yxy 41.7658, 0.4791, 0.4408 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(230, 159, 39) }
```

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

```
.border{ border-color:rgb(230, 159, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 159, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 159, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 159, 39);  
box-shadow:4px 4px 4px 4px rgb(230, 159,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7658, 0.4791, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 159, 39) }
```

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

```
.background{ background-color: rgb(230,  
159, 39) }
```

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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