

Converting Colors

$Y_{xy}(45.8414, 0.4855, 0.4480)$

Have a look what the booklet for
Yxy(45.8414, 0.4855, 0.4480)
contains.

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Color

Yxy(45.8414, 0.4855, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	F0A612
RGB	240, 166, 18
RGB Percent	94%, 65%, 7%
CMY	0.0589, 0.3490, 0.9292
CMYK	0.00, 0.31, 0.92, 0.06
HSL	40°, 88%, 51%
HSV	40°, 92%, 94%
XYZ	49.6786, 45.8414, 6.8046
YIQ	171.2540, 91.6120, -30.3400

Conversions

Conversions Part 2

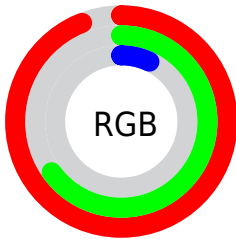
Format	Color
R_{YB}	129, 240, 18
Decimal	15771154
CIE _{Lab}	73.44, 17.23, 74.84
CIE _{LCh}	73, 76.802, 77.034
Yxy	45.8414, 0.4855, 0.4480
Android (android.graphics.Color)	4293961234 (0xFFFF0A612)
YUV	171.2540, -75.5542, 60.2902
Hunter-Lab	67.7063, 12.4860, 41.4357

Details

The Yxy color **45.8414, 0.4855, 0.4480** 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 **14.0820, 0.1679, 0.1193**, and the grayscale version is **41.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6288, 0.4255, 0.4558**, and **21.4996, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **43.6610, 0.4947, 0.4454**, and if you desaturate by 10%, it is **48.9674, 0.4707, 0.4476**.

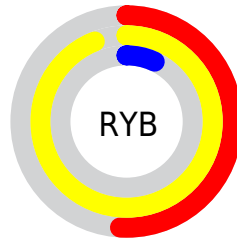
Distribution



Red (94%)

Green (65%)

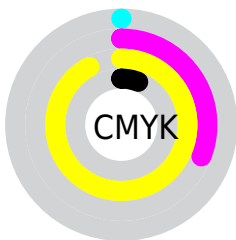
Blue (7%)



Red (51%)

Yellow (94%)

Blue (7%)

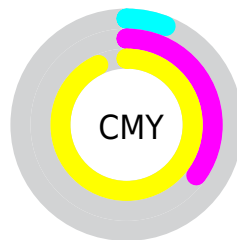


Cyan (0%)

Magenta (31%)

Yellow (92%)

Black (6%)



Cyan (6%)


Magenta (35%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8414, 0.4855, 0.4480 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 45.8414, 0.4855, 0.4480 by changing the saturation by 10% instead.

 45.8414, 0.4855,
0.4480


 45.8414, 0.4855,
0.4480


370.1707, 0.4078,
0.4016


 32.1207, 0.4999,
0.4539


 83.9816, 0.4607,
0.4352

 21.4537, 0.5153,
0.4584


 109.1699, 0.4503,
0.4292


 13.4560, 0.5360,
0.4639


 138.9494, 0.4410,
0.4236

 7.7433, 0.5455,
0.4545


 173.7047, 0.4328,
0.4184

 3.9311, 0.5594,
0.4406

 213.8201, 0.4255,
0.4136

 1.6351, 0.5820,
0.4180

 259.6799, 0.4190,

 0.3811, 0.6726,

0.4093

0.3274

311.6686, 0.4131,
0.4053

■ 0.0000, 0.0000,
0.0000

■ 45.8414, 0.4855,
0.4480

■ 45.8414, 0.4855,
0.4480

■ 43.6610, 0.4947,
0.4454


■ 48.9674, 0.4707,
0.4476


■ 52.3780, 0.4528,
0.4421


■ 56.0945, 0.4328,
0.4320


■ 60.1331, 0.4117,
0.4184

■ 64.5084, 0.3904,
0.4024

 69.2333, 0.3699,
0.3850

 74.3199, 0.3505,
0.3673

 79.7797, 0.3327,
0.3498

 85.6233, 0.3165,
0.3330

Harmonies

Analogous

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



45.8414, 0.5212, 0.3742



45.8414, 0.4855, 0.4480



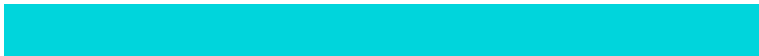
45.8414, 0.4070, 0.5128

Triad

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



45.8414, 0.4855, 0.4480



45.8414, 0.1605, 0.3182



45.8414, 0.2833, 0.1982

Complementary

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



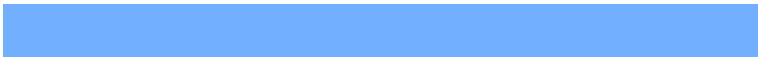
45.8414, 0.4855, 0.4480



14.0820, 0.1679, 0.1193

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.



45.8414, 0.2002, 0.1776



45.8414, 0.4855, 0.4480



45.8414, 0.1401, 0.2283

Square

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



45.8414, 0.4855, 0.4480



45.8414, 0.2201, 0.4424



45.8414, 0.1535, 0.1853



45.8414, 0.3933, 0.2430

Rectangle

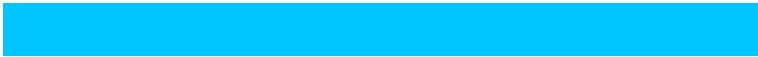
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.8414, 0.4855, 0.4480



45.8414, 0.3435, 0.5303



45.8414, 0.1535, 0.1853



45.8414, 0.2516, 0.1884

Sweetspot

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



45.8437, 0.4855, 0.4480



81.9670, 0.3612, 0.3773



19.7980, 0.5398, 0.2794



17.0142, 0.3698, 0.3849



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.



45.8437, 0.4855, 0.4480



50.0076, 0.4950, 0.4451



75.5804, 0.3934, 0.5225



17.5195, 0.3276, 0.3447



24.1576, 0.4932, 0.4466



2.1917, 0.4810, 0.4563

Inverse Universe

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



14.0820, 0.1679, 0.1193



13.7178, 0.1624, 0.1046



7.4385, 0.1609, 0.0691



16.0896, 0.2980, 0.3128



6.8032, 0.1633, 0.1080



0.7422, 0.1706, 0.1341

Previews

White Background



This preview shows how the Yxy color 45.8414, 0.4855, 0.4480 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 45.8414, 0.4855, 0.4480 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 45.8414, 0.4855, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 45.8414, 0.4855, 0.4480.



This preview shows how white text looks on a background with the Yxy color 45.8414, 0.4855, 0.4480.

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

45.8414, 0.4855, 0.4480

Protanopia

45.9511, 0.4374, 0.4833

Deuteranopia

45.8014, 0.4724, 0.4612



Tritanopia

45.6385, 0.3935, 0.3162

Trichromacy



Original Color

45.8414, 0.4855, 0.4480

Protanomaly

45.8603, 0.4546, 0.4707

Deuteranomaly

45.7261, 0.4775, 0.4562

Tritanomaly

44.8567, 0.4426, 0.3784

Monochromacy



Original Color

45.8414, 0.4855, 0.4480

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3495, 0.3870, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8414, 0.4855, 0.4480 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(240, 166, 18)` looks like.

```
.text, #text, p{  
    color:rgb(240, 166, 18)  
}
```

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(240, 166, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 166, 18) }
```

Border

The CSS property to change the border of an element to Yxy 45.8414, 0.4855, 0.4480 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(240, 166, 18) }
```

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

```
.border{ border-color:rgb(240, 166, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 166, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 166, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 166, 18);  
box-shadow:4px 4px 4px 4px rgb(240, 166,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8414, 0.4855, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 166, 18) }
```

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

```
.background{ background-color: rgb(240,  
166, 18) }
```

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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