

Converting Colors

$Y_{xy}(41.6512, 0.4783, 0.4532)$

Have a look what the booklet for
Yxy(41.6512, 0.4783, 0.4532)
contains.

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Color

Yxy(41.5410, 0.4787, 0.4529)

Conversions

Conversions Part 1

Format	Color
Hex	E1A112
RGB	225, 161, 18
RGB Percent	88%, 63%, 7%
CMY	0.1176, 0.3686, 0.9296
CMYK	0.00, 0.28, 0.92, 0.12
HSL	41°, 85%, 48%
HSV	41°, 92%, 88%
XYZ	43.9074, 41.5410, 6.2738
YIQ	163.8340, 84.0470, -30.9050

Conversions

Conversions Part 2

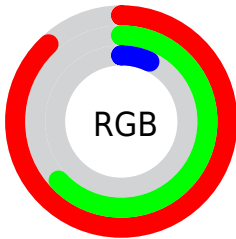
Format	Color
R _Y B	111, 225, 18
Decimal	14786834
CIE Lab	70.55, 13.44, 71.98
CIE LCh	71, 73.227, 79.421
Yxy	41.5410, 0.4787, 0.4529
Android (android.graphics.Color)	4292976914 (0xFFE1A112)
YUV	163.8340, -71.8962, 53.6426
Hunter-Lab	64.4523, 8.8096, 39.3453

Details

The Yxy color **41.5410, 0.4787, 0.4529** 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 **11.5933, 0.1668, 0.1147**, and the grayscale version is **37.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9963, 0.4299, 0.4531**, and **19.0444, 0.4914, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **39.6028, 0.4878, 0.4509**, and if you desaturate by 10%, it is **44.1551, 0.4648, 0.4516**.

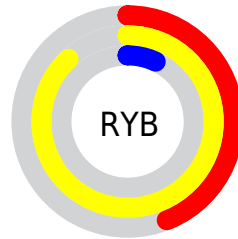
Distribution



Red (88%)

Green (63%)

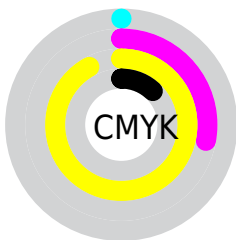
Blue (7%)



Red (44%)

Yellow (88%)

Blue (7%)

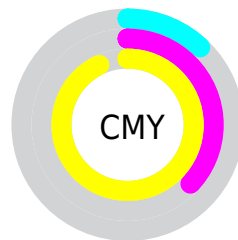


Cyan (0%)

Magenta (28%)

Yellow (92%)

Black (12%)



Cyan (12%)


Magenta (37%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5410, 0.4787, 0.4529 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 41.5410, 0.4787, 0.4529 by changing the saturation by 10% instead.


 41.5410, 0.4787,
0.4529

 41.5410, 0.4787,
0.4529


352.5767, 0.4029,
0.4022


 28.7421, 0.4929,
0.4600


 77.5045, 0.4543,
0.4383


 18.8858, 0.5079,
0.4658


 101.4378, 0.4441,
0.4317

 11.5878, 0.5275,
0.4725


 129.8514, 0.4351,
0.4255

 6.4636, 0.5359,
0.4641

 163.1296, 0.4271,
0.4199

 3.1290, 0.5486,
0.4514

 201.6568, 0.4200,
0.4148

 1.1994, 0.5701,
0.4299

 245.8175, 0.4137,

 0.0613, 0.8632,

0.4102

0.1368

295.9960, 0.4080,
0.4060

■ 0.0000, 0.0000,
0.0000

■ 41.5410, 0.4787,
0.4529

■ 41.5410, 0.4787,
0.4529

■ 39.6028, 0.4878,
0.4509

■ 44.1551, 0.4648,
0.4516

■ 46.9937, 0.4479,
0.4453

■ 50.0746, 0.4288,
0.4345

■ 53.4107, 0.4086,
0.4203

■ 57.0140, 0.3881,
0.4037

■ 60.8950, 0.3682,
0.3859

■ 65.0635, 0.3493,
0.3677

■ 69.5286, 0.3318,
0.3497

■ 74.2991, 0.3158,
0.3324

Harmonies

Analogous

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



41.5410, 0.5179, 0.3800



41.5410, 0.4787, 0.4529



41.5410, 0.3991, 0.5141

Triad

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



41.5410, 0.4787, 0.4529



41.5410, 0.1593, 0.3098



41.5410, 0.2918, 0.2024

Complementary

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



41.5410, 0.4787, 0.4529



11.5933, 0.1668, 0.1147

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.



41.5410, 0.2068, 0.1800



41.5410, 0.4787, 0.4529



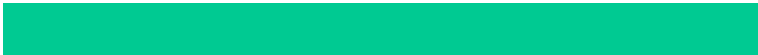
41.5410, 0.1419, 0.2249

Square

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



41.5410, 0.4787, 0.4529



41.5410, 0.2154, 0.4311



41.5410, 0.1577, 0.1853



41.5410, 0.4010, 0.2485

Rectangle

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



41.5410, 0.4787, 0.4529



41.5410, 0.3359, 0.5268



41.5410, 0.1577, 0.1853



41.5410, 0.2596, 0.1920

Sweetspot

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



41.5431, 0.4787, 0.4529



82.9412, 0.3608, 0.3789



17.0727, 0.5496, 0.2856



17.2500, 0.3692, 0.3868



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.



41.5431, 0.4787, 0.4529



52.3783, 0.4884, 0.4504



64.4701, 0.3880, 0.5262



15.2772, 0.3275, 0.3451



23.0353, 0.4865, 0.4519



1.7535, 0.4737, 0.4621

Inverse Universe

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



11.5933, 0.1668, 0.1147



12.7871, 0.1608, 0.0987



6.7060, 0.1644, 0.0714



13.9310, 0.2981, 0.3123



5.8075, 0.1618, 0.1025



0.5581, 0.1704, 0.1333

Previews

White Background



This preview shows how the Yxy color 41.5410, 0.4787, 0.4529 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 41.5410, 0.4787, 0.4529 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 41.5410, 0.4787, 0.4529

Background



This preview shows how black text looks on a background with the Yxy color 41.5410, 0.4787, 0.4529.



This preview shows how white text looks on a background with the Yxy color 41.5410, 0.4787, 0.4529.

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

41.5410, 0.4787, 0.4529

Protanopia

41.5472, 0.4375, 0.4835

Deuteranopia

41.6427, 0.4708, 0.4605



Tritanopia

41.5417, 0.3857, 0.3166

Trichromacy



Original Color

41.5410, 0.4787, 0.4529

Protanomaly

41.5519, 0.4522, 0.4724

Deuteranomaly

41.6010, 0.4735, 0.4581

Tritanomaly

40.8733, 0.4342, 0.3806

Monochromacy



Original Color

41.5410, 0.4787, 0.4529

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7812, 0.3836, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5410, 0.4787, 0.4529 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(225, 161, 18)` looks like.

```
.text, #text, p{  
    color:rgb(225, 161, 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(225, 161, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 161, 18) }
```

Border

The CSS property to change the border of an element to Yxy 41.5410, 0.4787, 0.4529 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(225, 161, 18) }
```

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

```
.border{ border-color:rgb(225, 161, 18) }
```

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

Here you see how a box with a 4 pixel rgb(225, 161, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 161, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 161, 18);  
box-shadow:4px 4px 4px 4px rgb(225, 161,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5410, 0.4787, 0.4529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 161, 18) }
```

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

```
.background{ background-color: rgb(225,  
161, 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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