

Converting Colors

$Y_{xy}(46.6228, 0.4781, 0.4543)$

Have a look what the booklet for
Yxy(46.6228, 0.4781, 0.4543)
contains.

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Color

Yxy(46.6228, 0.4781, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	ECAA11
RGB	236, 170, 17
RGB Percent	93%, 67%, 7%
CMY	0.0745, 0.3333, 0.9339
CMYK	0.00, 0.28, 0.93, 0.07
HSL	42°, 87%, 50%
HSV	42°, 93%, 93%
XYZ	49.0653, 46.6228, 6.9375
YIQ	172.2920, 88.4490, -33.5910

Conversions

Conversions Part 2

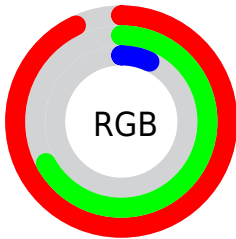
Format	Color
R_{YB}	111, 236, 17
Decimal	15510033
CIE _{Lab}	73.95, 13.39, 75.20
CIE _{LCh}	74, 76.384, 79.904
Yxy	46.6228, 0.4781, 0.4543
Android (android.graphics.Color)	4293700113 (0xFFECA11)
YUV	172.2920, -76.5590, 55.8719
Hunter-Lab	68.2809, 8.7750, 41.7726

Details

The Yxy color **46.6228, 0.4781, 0.4543** 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 **12.3369, 0.1654, 0.1106**, and the grayscale version is **41.7668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7663, 0.4228, 0.4589**, and **22.0708, 0.4909, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **44.7173, 0.4859, 0.4524**, and if you desaturate by 10%, it is **49.4784, 0.4648, 0.4534**.

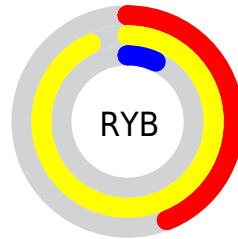
Distribution



Red (93%)

Green (67%)

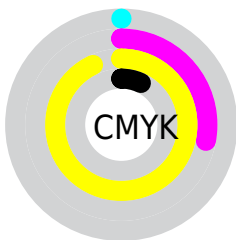
Blue (7%)



Red (44%)

Yellow (93%)

Blue (7%)

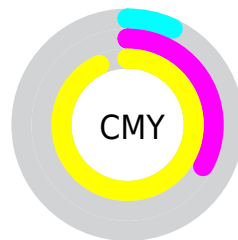


Cyan (0%)

Magenta (28%)

Yellow (93%)

Black (7%)



Cyan (7%)


Magenta (33%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6228, 0.4781, 0.4543 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 46.6228, 0.4781, 0.4543 by changing the saturation by 10% instead.


 46.6228, 0.4781,
0.4543


 46.6228, 0.4781,
0.4543


373.3069, 0.4044,
0.4042

 32.7376, 0.4916,
0.4613


 85.1503, 0.4547,
0.4401

 21.9255, 0.5058,
0.4671


 110.5614, 0.4449,
0.4335


 13.8022, 0.5245,
0.4742


 140.5832, 0.4361,
0.4274

 7.9832, 0.5325,
0.4675

 175.6001, 0.4283,
0.4219

 4.0842, 0.5434,
0.4566

 215.9965, 0.4213,
0.4168

 1.7208, 0.5610,
0.4390

 262.1569, 0.4151,

 0.4371, 0.6294,

0.4122

0.3706

314.4655, 0.4095,
0.4080

■ 0.0000, 0.0000,
0.0000

■ 46.6228, 0.4781,
0.4543

■ 46.6228, 0.4781,
0.4543

■ 44.7173, 0.4859,
0.4524

■ 49.4784, 0.4648,
0.4534

■ 52.5761, 0.4485,
0.4474

■ 55.9358, 0.4299,
0.4369

■ 59.5723, 0.4100,
0.4228

■ 63.4988, 0.3896,
0.4062

■ 67.7272, 0.3697,
0.3882

■ 72.2682, 0.3508,
0.3697

■ 77.1323, 0.3332,
0.3515

■ 82.3288, 0.3170,
0.3339

Harmonies

Analogous

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



46.6228, 0.5184, 0.3811



46.6228, 0.4781, 0.4543



46.6228, 0.3978, 0.5154

Triad

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



46.6228, 0.4781, 0.4543



46.6228, 0.1583, 0.3079



46.6228, 0.2934, 0.2026

Complementary

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



46.6228, 0.4781, 0.4543



12.3369, 0.1654, 0.1106

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.



46.6228, 0.2075, 0.1797



46.6228, 0.4781, 0.4543



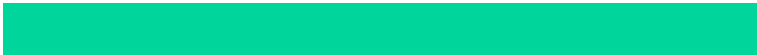
46.6228, 0.1414, 0.2235

Square

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



46.6228, 0.4781, 0.4543



46.6228, 0.2138, 0.4295



46.6228, 0.1578, 0.1845



46.6228, 0.4031, 0.2491

Rectangle

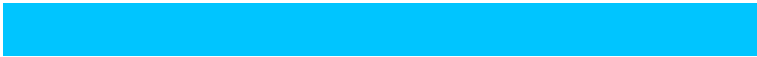
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.6228, 0.4781, 0.4543



46.6228, 0.3343, 0.5274



46.6228, 0.1578, 0.1845



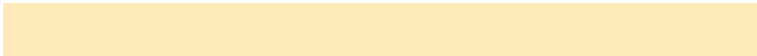
46.6228, 0.2609, 0.1921

Sweetspot

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



46.6251, 0.4781, 0.4543



83.2656, 0.3606, 0.3795



18.9043, 0.5530, 0.2866



17.3286, 0.3690, 0.3875



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.



46.6251, 0.4781, 0.4543



53.1871, 0.4863, 0.4521



71.7378, 0.3879, 0.5270



16.8168, 0.3275, 0.3454



24.8884, 0.4846, 0.4534



2.1216, 0.4734, 0.4623

Inverse Universe

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



12.3369, 0.1654, 0.1106



12.4975, 0.1602, 0.0968



7.3235, 0.1634, 0.0703



15.2884, 0.2980, 0.3121



6.0249, 0.1612, 0.1002



0.6364, 0.1688, 0.1275

Previews

White Background



This preview shows how the Yxy color 46.6228, 0.4781, 0.4543 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 46.6228, 0.4781, 0.4543 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 46.6228, 0.4781, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 46.6228, 0.4781, 0.4543.



This preview shows how white text looks on a background with the Yxy color 46.6228, 0.4781, 0.4543.

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

46.6228, 0.4781, 0.4543

Protanopia

46.9040, 0.4368, 0.4848

Deuteranopia

46.7367, 0.4706, 0.4617



Tritanopia

46.5891, 0.3853, 0.3161

Trichromacy



Original Color

46.6228, 0.4781, 0.4543

Protanomaly

46.4902, 0.4520, 0.4737

Deuteranomaly

46.6926, 0.4731, 0.4591

Tritanomaly

45.7563, 0.4353, 0.3813

Monochromacy



Original Color

46.6228, 0.4781, 0.4543

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.9889, 0.3841, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6228, 0.4781, 0.4543 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(236, 170, 17)` looks like.

```
.text, #text, p{  
    color:rgb(236, 170, 17)  
}
```

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(236, 170, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 170, 17) }
```

Border

The CSS property to change the border of an element to Yxy 46.6228, 0.4781, 0.4543 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(236, 170, 17) }
```

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

```
.border{ border-color:rgb(236, 170, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 170, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 170, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 170, 17);  
box-shadow:4px 4px 4px 4px rgb(236, 170,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6228, 0.4781, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 170, 17) }
```

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

```
.background{ background-color: rgb(236,  
170, 17) }
```

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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