

Converting Colors

$Y_{xy}(47.1199, 0.4602, 0.4884)$

Have a look what the booklet for
Yxy(47.1199, 0.4602, 0.4884)
contains.

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Color

Yxy(47.2414, 0.4525, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	D8B400
RGB	216, 180, 0
RGB Percent	85%, 71%, 0%
CMY	0.1530, 0.2941, 0.9998
CMYK	0.00, 0.17, 1.00, 0.15
HSL	50°, 100%, 42%
HSV	50°, 100%, 85%
XYZ	44.6372, 47.2414, 6.7671
YIQ	170.2440, 79.2360, -48.3480

Conversions

Conversions Part 2

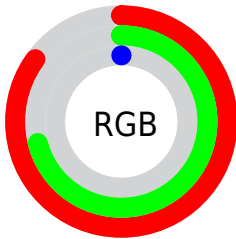
Format	Color
R _Y B	43, 216, 0
Decimal	14201856
CIE Lab	74.34, -0.77, 76.54
CIE LCh	74, 76.548, 90.573
Yxy	47.2414, 0.4525, 0.4789
Android (android.graphics.Color)	4292391936 (0xFFD8B400)
YUV	170.2440, -83.9303, 40.1280
Hunter-Lab	68.7324, -4.3577, 42.2752

Details

The Yxy color **47.2414, 0.4525, 0.4789** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **6.2213, 0.1538, 0.0734**, and the grayscale version is **40.7286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2558, 0.4182, 0.4694**, and **22.5063, 0.4545, 0.4773** is the 20% darker color. If you saturate the color by 10%, you get **47.2394, 0.4525, 0.4789**, and if you desaturate by 10%, it is **48.7721, 0.4460, 0.4779**.

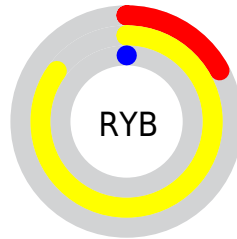
Distribution



Red (85%)

Green (71%)

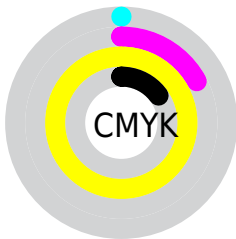
Blue (0%)



Red (17%)

Yellow (85%)

Blue (0%)

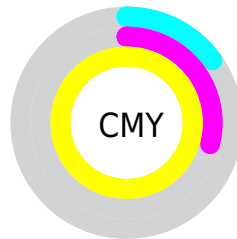


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2414, 0.4525, 0.4789 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 47.2414, 0.4525, 0.4789 by changing the saturation by 10% instead.


 47.2414, 0.4525,
0.4789


 47.2414, 0.4525,
0.4789

375.7773, 0.3926,
0.4142

 33.2265, 0.4624,
0.4898


 86.0738, 0.4342,
0.4591


 22.3000, 0.4721,
0.5005


 111.6602, 0.4263,
0.4505

 14.0775, 0.4851,
0.5149


 141.8725, 0.4191,
0.4427

 8.1746, 0.4847,
0.5153

 177.0952, 0.4126,
0.4358

 4.2069, 0.4840,
0.5160

 217.7126, 0.4068,
0.4295

 1.7899, 0.4829,
0.5171

 264.1092, 0.4016,

 0.4809, 0.4769,

0.4239

0.5231

316.6693, 0.3968,
0.4188

■ 0.0000, 0.0000,
0.0000

■ 47.2414, 0.4525,
0.4789

■ 47.2414, 0.4525,
0.4789

■ 47.2394, 0.4525,
0.4789

■ 48.7721, 0.4460,
0.4779

■ 50.4018, 0.4370,
0.4730

■ 52.1537, 0.4252,
0.4635

■ 54.0398, 0.4111,
0.4497

■ 56.0700, 0.3952,
0.4326

■ 58.2532, 0.3783,
0.4131

■ 60.5974, 0.3611,
0.3921

■ 63.1098, 0.3442,
0.3707

■ 65.7973, 0.3279,
0.3494

Harmonies

Analogous

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



47.2414, 0.5101, 0.4070



47.2414, 0.4525, 0.4789



47.2414, 0.3643, 0.5258

Triad

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



47.2414, 0.4525, 0.4789



47.2414, 0.1484, 0.2724



47.2414, 0.3312, 0.2169

Complementary

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



47.2414, 0.4525, 0.4789



6.2213, 0.1538, 0.0734

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.



47.2414, 0.2341, 0.1851



47.2414, 0.4525, 0.4789



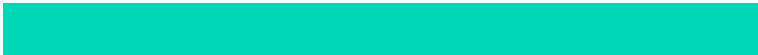
47.2414, 0.1439, 0.2053

Square

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



47.2414, 0.4525, 0.4789



47.2414, 0.1897, 0.3849



47.2414, 0.1717, 0.1796



47.2414, 0.4399, 0.2702

Rectangle

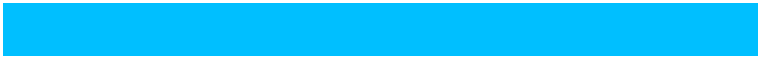
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2414, 0.4525, 0.4789



47.2414, 0.2998, 0.5170



47.2414, 0.1717, 0.1796



47.2414, 0.2957, 0.2036

Sweetspot

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



47.2437, 0.4525, 0.4789



88.1505, 0.3616, 0.3928



14.7256, 0.6176, 0.3176



18.5512, 0.3689, 0.4018



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.



47.2437, 0.4525, 0.4789



68.6053, 0.4529, 0.4786



55.0343, 0.3612, 0.5514



14.1513, 0.3270, 0.3483



28.1021, 0.4519, 0.4794



1.7907, 0.4454, 0.4846

Inverse Universe

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



6.2213, 0.1538, 0.0734



8.9105, 0.1534, 0.0724



6.3375, 0.1736, 0.0730



12.3397, 0.2982, 0.3090



3.7873, 0.1543, 0.0753



0.3338, 0.1622, 0.1040

Previews

White Background



This preview shows how the Yxy color 47.2414, 0.4525, 0.4789 looks on a white background.

Color Contrast Check

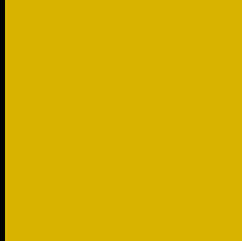
Large Text (above 18pt) WCAG AA × Fail

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 47.2414, 0.4525, 0.4789 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 47.2414, 0.4525, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 47.2414, 0.4525, 0.4789.



This preview shows how white text looks on a background with the Yxy color 47.2414, 0.4525, 0.4789.

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

47.2414, 0.4525, 0.4789

Protanopia

47.5639, 0.4396, 0.4872

Deuteranopia

47.3080, 0.4693, 0.4605



Tritanopia

47.1015, 0.3562, 0.3141

Trichromacy



Original Color

47.2414, 0.4525, 0.4789

Protanomaly

47.5796, 0.4436, 0.4848

Deuteranomaly

47.2460, 0.4640, 0.4669

Tritanomaly

46.2724, 0.4105, 0.3959

Monochromacy



Original Color

47.2414, 0.4525, 0.4789

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.9196, 0.3814, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2414, 0.4525, 0.4789 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(216, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 180, 0)  
}
```

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(216, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 180, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.2414, 0.4525, 0.4789 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(216, 180, 0) }
```

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

```
.border{ border-color:rgb(216, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 180,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2414, 0.4525, 0.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 180, 0) }
```

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

```
.background{ background-color: rgb(216,  
180, 0) }
```

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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