

Converting Colors

Yxy(50.4640, 0.4412, 0.4826)

Have a look what the booklet for
Yxy(50.4640, 0.4412, 0.4826)
contains.

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Color

Yxy(50.4640, 0.4412, 0.4826)

Conversions

Conversions Part 1

Format	Color
Hex	D7BC14
RGB	215, 188, 20
RGB Percent	84%, 74%, 8%
CMY	0.1568, 0.2627, 0.9218
CMYK	0.00, 0.13, 0.91, 0.16
HSL	52°, 83%, 46%
HSV	52°, 91%, 84%
XYZ	46.1349, 50.4640, 7.9680
YIQ	176.9210, 70.0200, -46.5240

Conversions

Conversions Part 2

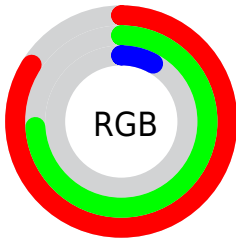
Format	Color
RYB	51, 215, 20
Decimal	14138388
CIELab	76.35, -5.13, 75.57
CIELCh	76, 75.748, 93.881
Yxy	50.4640, 0.4412, 0.4826
Android (android.graphics.Color)	4292328468 (0xFFD7BC14)
YUV	176.9210, -77.3621, 33.3953
Hunter-Lab	71.0380, -8.3915, 43.0763

Details

The Yxy color **50.4640, 0.4412, 0.4826** 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 **7.0843, 0.1585, 0.0828**, and the grayscale version is **44.3084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6659, 0.4095, 0.4710**, and **24.2965, 0.4436, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **49.2471, 0.4463, 0.4838**, and if you desaturate by 10%, it is **51.8643, 0.4334, 0.4776**.

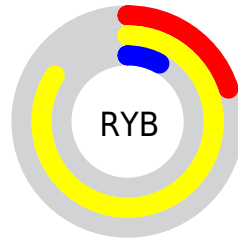
Distribution



Red (84%)

Green (74%)

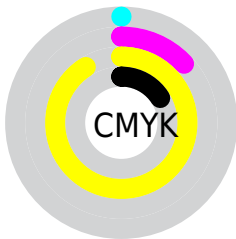
Blue (8%)



Red (20%)

Yellow (84%)

Blue (8%)

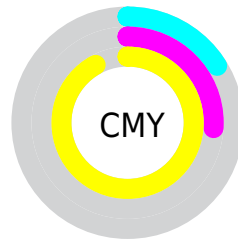


Cyan (0%)

Magenta (13%)

Yellow (91%)

Black (16%)



Cyan (16%)


Magenta (26%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4640, 0.4412, 0.4826 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 50.4640, 0.4412, 0.4826 by changing the saturation by 10% instead.


 50.4640, 0.4412,
0.4826

 50.4640, 0.4412,
0.4826


388.4777, 0.3868,
0.4151


 35.7822, 0.4501,
0.4947


 90.8620, 0.4247,
0.4613


 24.2660, 0.4588,
0.5073


 117.3470, 0.4175,
0.4523

 15.5311, 0.4681,
0.5217


 148.5351, 0.4110,
0.4443

 9.1930, 0.4701,
0.5299

 184.8109, 0.4051,
0.4371

 4.8673, 0.4660,
0.5340

 226.5587, 0.3998,
0.4307

 2.1696, 0.4593,
0.5407

 274.1628, 0.3951,

 0.7033, 0.4358,

0.4249

0.5642

328.0077, 0.3908,
0.4197

■ 0.0000, 0.0000,
0.0000

■ 50.4640, 0.4412,
0.4826

■ 50.4640, 0.4412,
0.4826

■ 49.2471, 0.4463,
0.4838

■ 51.8643, 0.4334,
0.4776

■ 53.3707, 0.4227,
0.4680

■ 54.9975, 0.4096,
0.4542

■ 56.7545, 0.3946,
0.4369

■ 58.6504, 0.3784,
0.4171

■ 60.6931, 0.3617,
0.3957

■ 62.8897, 0.3451,
0.3737

■ 65.2468, 0.3290,
0.3517

■ 67.7705, 0.3138,
0.3305

Harmonies

Analogous

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



50.4640, 0.5011, 0.4141



50.4640, 0.4412, 0.4826



50.4640, 0.3536, 0.5208

Triad

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



50.4640, 0.4412, 0.4826



50.4640, 0.1504, 0.2651



50.4640, 0.3427, 0.2246

Complementary

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



50.4640, 0.4412, 0.4826



7.0843, 0.1585, 0.0828

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.



50.4640, 0.2454, 0.1908



50.4640, 0.4412, 0.4826



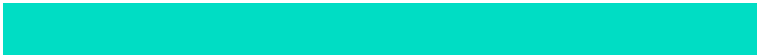
50.4640, 0.1493, 0.2043

Square

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



50.4640, 0.4412, 0.4826



50.4640, 0.1870, 0.3700



50.4640, 0.1803, 0.1825



50.4640, 0.4462, 0.2787

Rectangle

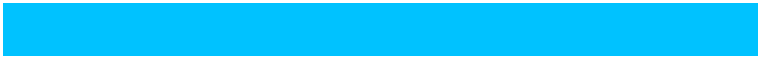
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.4640, 0.4412, 0.4826



50.4640, 0.2907, 0.5046



50.4640, 0.1803, 0.1825



50.4640, 0.3076, 0.2107

Sweetspot

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



50.4664, 0.4412, 0.4826



90.4003, 0.3560, 0.3881



15.1702, 0.5965, 0.3138



19.1164, 0.3617, 0.3957



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.



50.4664, 0.4412, 0.4826



72.2883, 0.4466, 0.4836



54.8333, 0.3621, 0.5452



14.2131, 0.3270, 0.3489



29.5702, 0.4458, 0.4842



1.8661, 0.4406, 0.4884

Inverse Universe

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



7.0843, 0.1585, 0.0828



8.4399, 0.1525, 0.0690



7.4908, 0.1863, 0.0842



12.2832, 0.2981, 0.3083



3.5736, 0.1532, 0.0715



0.3073, 0.1603, 0.0970

Previews

White Background



This preview shows how the Yxy color 50.4640, 0.4412, 0.4826 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 50.4640, 0.4412, 0.4826 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 50.4640, 0.4412, 0.4826

Background



This preview shows how black text looks on a background with the Yxy color 50.4640, 0.4412, 0.4826.

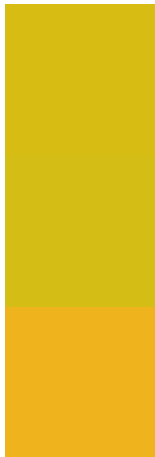


This preview shows how white text looks on a background with the Yxy color 50.4640, 0.4412, 0.4826.

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

50.4640, 0.4412, 0.4826

Protanopia

50.4427, 0.4376, 0.4854

Deuteranopia

50.5061, 0.4678, 0.4579



Tritanopia

50.4595, 0.3473, 0.3142

Trichromacy



Original Color

50.4640, 0.4412, 0.4826

Protanomaly

50.5918, 0.4385, 0.4847

Deuteranomaly

50.3535, 0.4588, 0.4663

Tritanomaly

49.7044, 0.3959, 0.3914

Monochromacy



Original Color

50.4640, 0.4412, 0.4826

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.4802, 0.3721, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4640, 0.4412, 0.4826 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(215, 188, 20)` looks like.

```
.text, #text, p{  
    color:rgb(215, 188, 20)  
}
```

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(215, 188, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 188, 20) }
```

Border

The CSS property to change the border of an element to Yxy 50.4640, 0.4412, 0.4826 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(215, 188, 20) }
```

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

```
.border{ border-color:rgb(215, 188, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 188, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 188, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 188, 20);  
box-shadow:4px 4px 4px 4px rgb(215, 188,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4640, 0.4412, 0.4826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 188, 20) }
```

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

```
.background{ background-color: rgb(215,  
188, 20) }
```

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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