

Converting Colors

$Y_{xy}(49.1625, 0.4457, 0.4824)$

Have a look what the booklet for
Yxy(49.1625, 0.4457, 0.4824)
contains.

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Color

Yxy(49.1625, 0.4457, 0.4824)

Conversions

Conversions Part 1

Format	Color
Hex	D7B908
RGB	215, 185, 8
RGB Percent	84%, 73%, 3%
CMY	0.1568, 0.2745, 0.9682
CMYK	0.00, 0.14, 0.96, 0.16
HSL	51°, 93%, 44%
HSV	51°, 96%, 84%
XYZ	45.4223, 49.1625, 7.3275
YIQ	173.7920, 74.6970, -48.6870

Conversions

Conversions Part 2

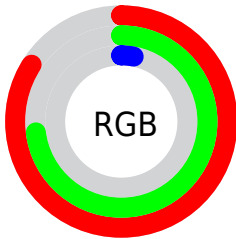
Format	Color
R _Y B	43, 215, 8
Decimal	14137608
CIE Lab	75.55, -3.71, 76.50
CIE LCh	76, 76.588, 92.776
Yxy	49.1625, 0.4457, 0.4824
Android (android.graphics.Color)	4292327688 (0xFFD7B908)
YUV	173.7920, -81.7355, 36.1394
Hunter-Lab	70.1160, -7.0676, 42.8851

Details

The Yxy color **49.1625, 0.4457, 0.4824** 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 **6.3543, 0.1551, 0.0754**, and the grayscale version is **42.6226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8107, 0.4129, 0.4713**, and **23.4711, 0.4477, 0.4827** is the 20% darker color. If you saturate the color by 10%, you get **48.6570, 0.4477, 0.4827**, and if you desaturate by 10%, it is **50.5587, 0.4392, 0.4799**.

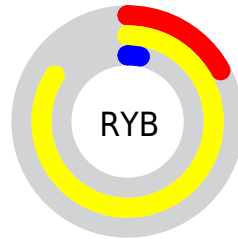
Distribution



Red (84%)

Green (73%)

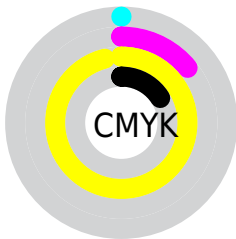
Blue (3%)



Red (17%)

Yellow (84%)

Blue (3%)

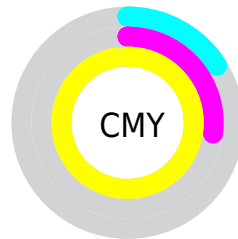


Cyan (0%)

Magenta (14%)

Yellow (96%)

Black (16%)



Cyan (16%)

Magenta (27%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1625, 0.4457, 0.4824 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 49.1625, 0.4457, 0.4824 by changing the saturation by 10% instead.

49.1625, 0.4457,
0.4824

49.1625, 0.4457,
0.4824

383.3817, 0.3893,
0.4155

34.7484, 0.4549,
0.4941

88.9328, 0.4286,
0.4616

23.4691, 0.4638,
0.5060

115.0577, 0.4212,
0.4527

14.9403, 0.4744,
0.5206

145.8551, 0.4144,
0.4447

8.7775, 0.4747,
0.5253

181.7092, 0.4083,
0.4375

4.5963, 0.4716,
0.5284

223.0045, 0.4028,
0.4311

2.0124, 0.4666,
0.5334

270.1255, 0.3979,

0.6147, 0.4454,

0.4254

0.5546

323.4564, 0.3934,
0.4202

■ 0.0000, 0.0000,
0.0000

■ 49.1625, 0.4457,
0.4824

■ 49.1625, 0.4457,
0.4824

■ 48.6570, 0.4477,
0.4827

■ 50.5587, 0.4392,
0.4799

■ 52.0555, 0.4299,
0.4729

■ 53.6691, 0.4178,
0.4615

■ 55.4102, 0.4036,
0.4461

■ 57.2882, 0.3878,
0.4276

■ 59.3114, 0.3712,
0.4071

■ 61.4873, 0.3543,
0.3854

■ 63.8228, 0.3378,
0.3635

■ 66.3244, 0.3221,
0.3420

Harmonies

Analogous

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



49.1625, 0.5055, 0.4121



49.1625, 0.4457, 0.4824



49.1625, 0.3572, 0.5243

Triad

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



49.1625, 0.4457, 0.4824



49.1625, 0.1486, 0.2667



49.1625, 0.3391, 0.2213

Complementary

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



49.1625, 0.4457, 0.4824



6.3543, 0.1551, 0.0754

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.



49.1625, 0.2410, 0.1879



49.1625, 0.4457, 0.4824



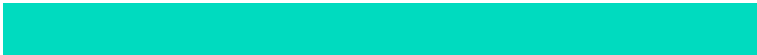
49.1625, 0.1464, 0.2036

Square

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



49.1625, 0.4457, 0.4824



49.1625, 0.1868, 0.3752



49.1625, 0.1764, 0.1805



49.1625, 0.4454, 0.2754

Rectangle

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



49.1625, 0.4457, 0.4824



49.1625, 0.2933, 0.5106



49.1625, 0.1764, 0.1805



49.1625, 0.3035, 0.2075

Sweetspot

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



49.1649, 0.4457, 0.4824



89.4620, 0.3595, 0.3921



14.7737, 0.6121, 0.3174



18.8539, 0.3667, 0.4014



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.



49.1649, 0.4457, 0.4824



71.4021, 0.4480, 0.4824



54.4336, 0.3600, 0.5504



14.1985, 0.3270, 0.3488



29.2171, 0.4472, 0.4831



1.8480, 0.4417, 0.4875

Inverse Universe

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



6.3543, 0.1551, 0.0754



8.5432, 0.1527, 0.0697



6.8118, 0.1799, 0.0780



12.2965, 0.2982, 0.3084



3.6209, 0.1534, 0.0723



0.3135, 0.1608, 0.0987

Previews

White Background



This preview shows how the Yxy color 49.1625, 0.4457, 0.4824 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 49.1625, 0.4457, 0.4824 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 49.1625, 0.4457, 0.4824

Background



This preview shows how black text looks on a background with the Yxy color 49.1625, 0.4457, 0.4824.



This preview shows how white text looks on a background with the Yxy color 49.1625, 0.4457, 0.4824.

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

49.1625, 0.4457, 0.4824

Protanopia

49.2642, 0.4391, 0.4872

Deuteranopia

49.1644, 0.4689, 0.4599



Tritanopia

49.0154, 0.3496, 0.3141

Trichromacy



Original Color

49.1625, 0.4457, 0.4824

Protanomaly

49.1346, 0.4420, 0.4851

Deuteranomaly

49.1770, 0.4608, 0.4681

Tritanomaly

48.1969, 0.4016, 0.3951

Monochromacy



Original Color

49.1625, 0.4457, 0.4824

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8745, 0.3765, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1625, 0.4457, 0.4824 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, 185, 8)` looks like.

```
.text, #text, p{  
    color:rgb(215, 185, 8)  
}
```

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, 185, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 185, 8) }
```

Border

The CSS property to change the border of an element to Yxy 49.1625, 0.4457, 0.4824 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, 185, 8) }
```

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

```
.border{ border-color:rgb(215, 185, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 185, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 185, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 185, 8);  
box-shadow:4px 4px 4px 4px rgb(215, 185,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1625, 0.4457, 0.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 185, 8) }
```

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

```
.background{ background-color: rgb(215,  
185, 8) }
```

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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