

Converting Colors

$Y_{xy}(52.1699, 0.4509, 0.4802)$

Have a look what the booklet for
Yxy(52.1699, 0.4509, 0.4802)
contains.

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Color

Yxy(52.2425, 0.4503, 0.4807)

Conversions

Conversions Part 1

Format	Color
Hex	E0BD00
RGB	224, 189, 0
RGB Percent	88%, 74%, 0%
CMY	0.1215, 0.2588, 1.0000
CMYK	0.00, 0.16, 1.00, 0.12
HSL	51°, 100%, 44%
HSV	51°, 100%, 88%
XYZ	48.9386, 52.2425, 7.4989
YIQ	177.9190, 81.5290, -51.3590

Conversions

Conversions Part 2

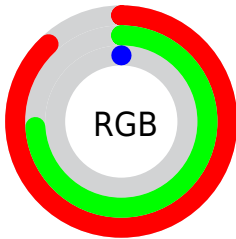
Format	Color
R _Y B	41, 224, 0
Decimal	14728448
CIE Lab	77.43, -1.95, 79.10
CIE LCh	77, 79.122, 91.409
Yxy	52.2425, 0.4503, 0.4807
Android (android.graphics.Color)	4292918528 (0xFFE0BD00)
YUV	177.9190, -87.7141, 40.4130
Hunter-Lab	72.2790, -5.6295, 44.4440

Details

The Yxy color **52.2425, 0.4503, 0.4807** 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 **6.5842, 0.1533, 0.0718**, and the grayscale version is **44.9187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1893, 0.4108, 0.4747**, and **25.5008, 0.4527, 0.4787** is the 20% darker color. If you saturate the color by 10%, you get **52.2454, 0.4503, 0.4807**, and if you desaturate by 10%, it is **53.8290, 0.4442, 0.4797**.

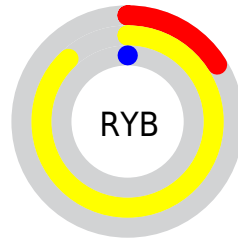
Distribution



Red (88%)

Green (74%)

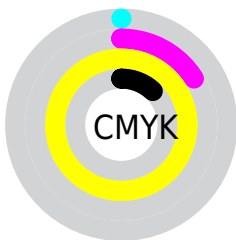
Blue (0%)



Red (16%)

Yellow (88%)

Blue (0%)

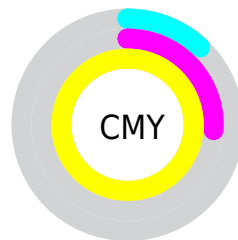


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2425, 0.4503, 0.4807 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 52.2425, 0.4503, 0.4807 by changing the saturation by 10% instead.


 52.2425, 0.4503,
0.4807

 52.2425, 0.4503,
0.4807

395.3721, 0.3927,
0.4162


 37.1984, 0.4597,
0.4915


 93.4888, 0.4330,
0.4610


 25.3611, 0.4687,
0.5024


 120.4597, 0.4253,
0.4525

 16.3463, 0.4791,
0.5150


 152.1751, 0.4184,
0.4447


 9.7696, 0.4809,
0.5191

 189.0193, 0.4122,
0.4378

 5.2464, 0.4795,
0.5205

 231.3767, 0.4066,
0.4316

 2.3926, 0.4771,
0.5229

 279.6317, 0.4015,

 0.8221, 0.4717,

0.4259

0.5283

334.1687, 0.3969,
0.4208

■ 0.0000, 0.0000,
0.0000

■ 52.2425, 0.4503,
0.4807

■ 52.2425, 0.4503,
0.4807

■ 52.2454, 0.4503,
0.4807

■ 53.8290, 0.4442,
0.4797

■ 55.5181, 0.4356,
0.4747

■ 57.3354, 0.4242,
0.4650

■ 59.2938, 0.4104,
0.4512

■ 61.4042, 0.3948,
0.4339

■ 63.6763, 0.3781,
0.4142

■ 66.1188, 0.3610,
0.3930

■ 68.7395, 0.3442,
0.3713

■ 71.5457, 0.3280,
0.3498

Harmonies

Analogous

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



52.2425, 0.5091, 0.4090



52.2425, 0.4503, 0.4807



52.2425, 0.3616, 0.5261

Triad

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



52.2425, 0.4503, 0.4807



52.2425, 0.1479, 0.2699



52.2425, 0.3343, 0.2182

Complementary

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



52.2425, 0.4503, 0.4807



6.5842, 0.1533, 0.0718

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.



52.2425, 0.2364, 0.1857



52.2425, 0.4503, 0.4807



52.2425, 0.1443, 0.2041

Square

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



52.2425, 0.4503, 0.4807



52.2425, 0.1881, 0.3814



52.2425, 0.1730, 0.1794



52.2425, 0.4426, 0.2719

Rectangle

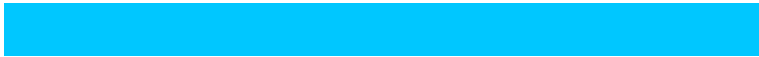
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2425, 0.4503, 0.4807



52.2425, 0.2971, 0.5155



52.2425, 0.1730, 0.1794



52.2425, 0.2986, 0.2046

Sweetspot

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



52.2454, 0.4503, 0.4807



88.6238, 0.3614, 0.3935



15.9838, 0.6180, 0.3178



18.6657, 0.3686, 0.4026



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.



52.2454, 0.4503, 0.4807



69.9407, 0.4505, 0.4805



59.7354, 0.3611, 0.5515



15.6456, 0.3271, 0.3486



30.5481, 0.4497, 0.4811



2.2169, 0.4443, 0.4854

Inverse Universe

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



6.5842, 0.1533, 0.0718



8.7270, 0.1531, 0.0710



6.8646, 0.1734, 0.0729



13.5873, 0.2981, 0.3086



3.9392, 0.1538, 0.0736



0.3815, 0.1606, 0.0980

Previews

White Background



This preview shows how the Yxy color 52.2425, 0.4503, 0.4807 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 52.2425, 0.4503, 0.4807 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 52.2425, 0.4503, 0.4807

Background



This preview shows how black text looks on a background with the Yxy color 52.2425, 0.4503, 0.4807.



This preview shows how white text looks on a background with the Yxy color 52.2425, 0.4503, 0.4807.

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

52.2425, 0.4503, 0.4807

Protanopia

52.3135, 0.4398, 0.4874

Deuteranopia

52.3873, 0.4697, 0.4601



Tritanopia

52.2172, 0.3533, 0.3146

Trichromacy



Original Color

52.2425, 0.4503, 0.4807

Protanomaly

52.3304, 0.4437, 0.4850

Deuteranomaly

52.3891, 0.4621, 0.4684

Tritanomaly

51.2268, 0.4084, 0.3982

Monochromacy



Original Color

52.2425, 0.4503, 0.4807

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.2503, 0.3810, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2425, 0.4503, 0.4807 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(224, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 189, 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(224, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.2425, 0.4503, 0.4807 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(224, 189, 0) }
```

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

```
.border{ border-color:rgb(224, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2425, 0.4503, 0.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 189, 0) }
```

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

```
.background{ background-color: rgb(224,  
189, 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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