

Converting Colors

$Yxy(50.2489, 0.4316, 0.4835)$

Have a look what the booklet for
Yxy(50.2489, 0.4316, 0.4835)
contains.

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Color

Yxy(50.0660, 0.4320, 0.4830)

Conversions

Conversions Part 1

Format	Color
Hex	D1BD22
RGB	209, 189, 34
RGB Percent	82%, 74%, 13%
CMY	0.1804, 0.2588, 0.8670
CMYK	0.00, 0.10, 0.84, 0.18
HSL	53°, 72%, 48%
HSV	53°, 84%, 82%
XYZ	44.7795, 50.0660, 8.8108
YIQ	177.3100, 61.6750, -43.9650

Conversions

Conversions Part 2

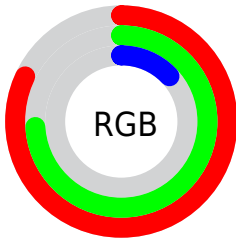
Format	Color
RYB	57, 209, 34
Decimal	13745442
CIELab	76.11, -7.96, 72.30
CIELCh	76, 72.741, 96.286
Yxy	50.0660, 0.4320, 0.4830
Android (android.graphics.Color)	4291935522 (0xFFD1BD22)
YUV	177.3100, -70.6518, 27.7921
Hunter-Lab	70.7573, -10.8597, 42.1473

Details

The Yxy color **50.0660, 0.4320, 0.4830** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **7.5727, 0.1642, 0.0922**, and the grayscale version is **44.4898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4093, 0.4057, 0.4666**, and **24.0923, 0.4364, 0.4917** is the 20% darker color. If you saturate the color by 10%, you get **48.9641, 0.4382, 0.4871**, and if you desaturate by 10%, it is **51.2627, 0.4230, 0.4745**.

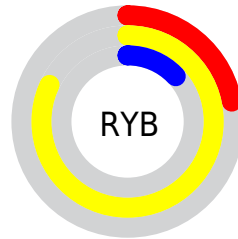
Distribution



Red (82%)

Green (74%)

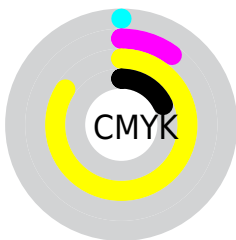
Blue (13%)



Red (22%)

Yellow (82%)

Blue (13%)

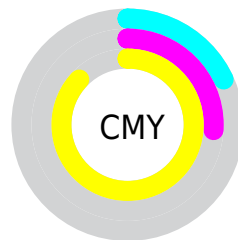


Cyan (0%)

Magenta (10%)

Yellow (84%)

Black (18%)



Cyan (18%)


Magenta (26%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0660, 0.4320, 0.4830 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 50.0660, 0.4320, 0.4830 by changing the saturation by 10% instead.


 50.0660, 0.4320,
0.4830

 50.0660, 0.4320,
0.4830


386.9240, 0.3812,
0.4135


 35.4658, 0.4405,
0.4962


 90.2727, 0.4165,
0.4606

 24.0219, 0.4488,
0.5105


 116.6479, 0.4097,
0.4512


 15.3499, 0.4567,
0.5261


 147.7171, 0.4036,
0.4430


 9.0653, 0.4603,
0.5397

 183.8644, 0.3982,
0.4357

 4.7838, 0.4538,
0.5462

 225.4744, 0.3932,
0.4292

 2.1210, 0.4431,
0.5569

 272.9314, 0.3888,

 0.6764, 0.3987,

0.4234

0.6013

326.6198, 0.3848,
0.4182

■ 0.0000, 0.0000,
0.0000

■ 50.0660, 0.4320,
0.4830

■ 50.0660, 0.4320,
0.4830

■ 48.9641, 0.4382,
0.4871

■ 51.2627, 0.4230,
0.4745

■ 48.3088, 0.4411,
0.4880

■ 52.5587, 0.4113,
0.4616

■ 53.9661, 0.3976,
0.4450

■ 55.4931, 0.3823,
0.4255

■ 57.1473, 0.3661,
0.4040

■ 58.9354, 0.3498,
0.3816

■ 60.8636, 0.3337,
0.3591

■ 62.9377, 0.3183,
0.3371

■ 65.1632, 0.3038,
0.3160

Harmonies

Analogous

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



50.0660, 0.4923, 0.4185



50.0660, 0.4320, 0.4830



50.0660, 0.3460, 0.5136

Triad

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



50.0660, 0.4320, 0.4830



50.0660, 0.1539, 0.2615



50.0660, 0.3502, 0.2314

Complementary

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



50.0660, 0.4320, 0.4830



7.5727, 0.1642, 0.0922

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.



50.0660, 0.2543, 0.1965



50.0660, 0.4320, 0.4830



50.0660, 0.1552, 0.2054

Square

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



50.0660, 0.4320, 0.4830



50.0660, 0.1870, 0.3596



50.0660, 0.1880, 0.1864



50.0660, 0.4482, 0.2855

Rectangle

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



50.0660, 0.4320, 0.4830



50.0660, 0.2851, 0.4925



50.0660, 0.1880, 0.1864



50.0660, 0.3160, 0.2173

Sweetspot

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



50.0684, 0.4320, 0.4830



91.9959, 0.3522, 0.3851



14.9645, 0.5801, 0.3152



19.4748, 0.3581, 0.3931



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.



50.0684, 0.4320, 0.4830



75.5892, 0.4414, 0.4877



51.4556, 0.3591, 0.5398



13.5575, 0.3269, 0.3494



29.8789, 0.4408, 0.4882



1.7376, 0.4363, 0.4918

Inverse Universe

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



7.5727, 0.1642, 0.0922



8.1045, 0.1518, 0.0665



8.5120, 0.2006, 0.0978



11.6319, 0.2982, 0.3077



3.3115, 0.1525, 0.0689



0.2598, 0.1590, 0.0924

Previews

White Background



This preview shows how the Yxy color 50.0660, 0.4320, 0.4830 looks on a white background.

Color Contrast Check

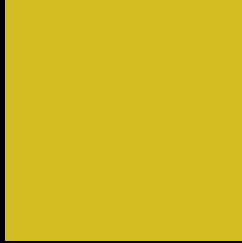
Large Text (above 18pt) WCAG AA × Fail

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 50.0660, 0.4320, 0.4830 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 50.0660, 0.4320, 0.4830

Background



This preview shows how black text looks on a background with the Yxy color 50.0660, 0.4320, 0.4830.



This preview shows how white text looks on a background with the Yxy color 50.0660, 0.4320, 0.4830.

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

50.0660, 0.4320, 0.4830

Protanopia

49.9308, 0.4347, 0.4808

Deuteranopia

49.8338, 0.4638, 0.4539



Tritanopia

49.9840, 0.3400, 0.3128

Trichromacy



Original Color

50.0660, 0.4320, 0.4830

Protanomaly

49.7836, 0.4338, 0.4815

Deuteranomaly

49.7646, 0.4523, 0.4647

Tritanomaly

49.3401, 0.3848, 0.3868

Monochromacy



Original Color

50.0660, 0.4320, 0.4830

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.3472, 0.3662, 0.4029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0660, 0.4320, 0.4830 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(209, 189, 34)` looks like.

```
.text, #text, p{  
    color:rgb(209, 189, 34)  
}
```

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(209, 189, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 189, 34) }
```

Border

The CSS property to change the border of an element to Yxy 50.0660, 0.4320, 0.4830 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(209, 189, 34) }
```

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

```
.border{ border-color:rgb(209, 189, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 189, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 189, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 189, 34);  
box-shadow:4px 4px 4px 4px rgb(209, 189,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0660, 0.4320, 0.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 189, 34) }
```

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

```
.background{ background-color: rgb(209,  
189, 34) }
```

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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