

Converting Colors

$Y_{xy}(46.6289, 0.4281, 0.4638)$

Have a look what the booklet for
Yxy(46.6289, 0.4281, 0.4638)
contains.

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Color

Yxy(46.6289, 0.4281, 0.4638)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CFB53B |
| RGB | 207, 181, 59 |
| RGB Percent | 81%, 71%, 23% |
| CMY | 0.1883, 0.2901, 0.7687 |
| CMYK | 0.00, 0.13, 0.71, 0.19 |
| HSL | 49°, 61%, 52% |
| HSV | 49°, 71%, 81% |
| XYZ | 43.0397, 46.6289, 10.8680 |
| YIQ | 174.8660, 54.6580, -32.4300 |

Conversions

Conversions Part 2

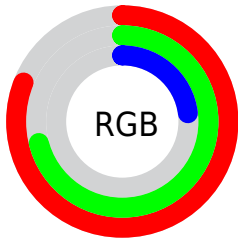
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 91, 207, 59 |
| Decimal | 13612347 |
| CIE Lab | 73.95, -3.77, 62.32 |
| CIE LCh | 74, 62.429, 93.460 |
| Yxy | 46.6289, 0.4281, 0.4638 |
| Android (android.graphics.Color) | 4291802427 (0xFFCFB53B) |
| YUV | 174.8660, -57.1219, 28.1815 |
| Hunter-Lab | 68.2854, -6.9922, 38.3634 |

Details

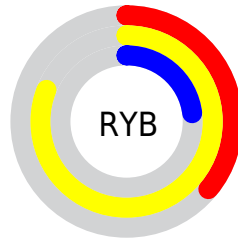
The Yxy color **46.6289, 0.4281, 0.4638** is a dark color, and the websafe version is hex **CC9933**, and the color name is **old gold**. The color can be described as middle muted orange. A complement of this color would be **11.9226, 0.1839, 0.1344**, and the grayscale version is **43.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0433, 0.4017, 0.4474**, and **22.0901, 0.4446, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **44.9998, 0.4398, 0.4726**, and if you desaturate by 10%, it is **48.3860, 0.4139, 0.4507**.

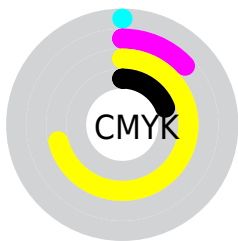
Distribution



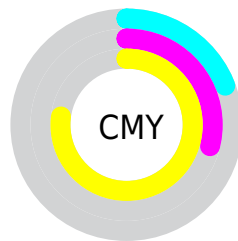
- Red (81%)
- Green (71%)
- Blue (23%)



- Red (36%)
- Yellow (81%)
- Blue (23%)



- Cyan (0%)
- Magenta (13%)
- Yellow (71%)
- Black (19%)





- Cyan (19%)
- Magenta (29%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6289, 0.4281, 0.4638 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 46.6289, 0.4281, 0.4638 by changing the saturation by 10% instead.


 46.6289, 0.4281,
0.4638

 46.6289, 0.4281,
0.4638


373.3313, 0.3758,
0.4012


 32.7424, 0.4382,
0.4765


 85.1594, 0.4111,
0.4430

 21.9292, 0.4491,
0.4906


 110.5722, 0.4041,
0.4346


 13.8049, 0.4599,
0.5056


 140.5959, 0.3979,
0.4272

 7.9851, 0.4741,
0.5259

 175.6148, 0.3924,
0.4207

 4.0854, 0.4707,
0.5293

 216.0135, 0.3875,
0.4149

 1.7214, 0.4651,
0.5349

262.1762, 0.3832,

 0.4375, 0.4254,

0.4098

0.5746

314.4873, 0.3793,
0.4053

0.0000, 0.0000,
0.0000

46.6289, 0.4281,
0.4638

46.6289, 0.4281,
0.4638

44.9998, 0.4398,
0.4726

48.3860, 0.4139,
0.4507

43.4810, 0.4487,
0.4768

50.2738, 0.3980,
0.4342

42.2616, 0.4544,
0.4774

52.3026, 0.3811,
0.4151

54.4796, 0.3637,
0.3946

56.8116, 0.3467,
0.3734

■ 59.3048, 0.3303,
0.3523

■ 61.9649, 0.3149,
0.3320

■ 64.7973, 0.3007,
0.3126

■ 67.8073, 0.2876,
0.2945

Harmonies

Analogous

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



46.6289, 0.4767, 0.4072



46.6289, 0.4281, 0.4638



46.6289, 0.3528, 0.4906

Triad

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



46.6289, 0.4281, 0.4638



46.6289, 0.1711, 0.2775



46.6289, 0.3379, 0.2374

Complementary

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



46.6289, 0.4281, 0.4638



11.9226, 0.1839, 0.1344

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.



46.6289, 0.2544, 0.2074



46.6289, 0.4281, 0.4638



46.6289, 0.1689, 0.2223

Square

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



46.6289, 0.4281, 0.4638



46.6289, 0.2057, 0.3660



46.6289, 0.1966, 0.2009



46.6289, 0.4249, 0.2859

Rectangle

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



46.6289, 0.4281, 0.4638



46.6289, 0.2979, 0.4749



46.6289, 0.1966, 0.2009



46.6289, 0.3081, 0.2251

Sweetspot

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



46.6311, 0.4281, 0.4638



91.1707, 0.3463, 0.3729



17.0626, 0.5116, 0.3013



19.2848, 0.3510, 0.3788



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.



46.6311, 0.4281, 0.4638



70.7700, 0.4451, 0.4755



52.4135, 0.3677, 0.5124



13.4300, 0.3270, 0.3480



26.7587, 0.4538, 0.4779



1.5911, 0.4464, 0.4837

Inverse Universe

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



11.9226, 0.1839, 0.1344



12.5098, 0.1637, 0.0965



10.6861, 0.2094, 0.1194



11.7482, 0.2982, 0.3092



3.7429, 0.1546, 0.0767



0.3141, 0.1634, 0.1082

Previews

White Background



This preview shows how the Yxy color 46.6289, 0.4281, 0.4638 looks on a white background.

Color Contrast Check

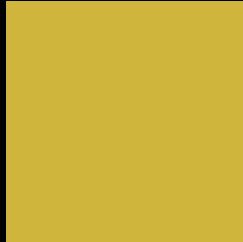
Large Text (above 18pt) WCAG AA × Fail

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 46.6289, 0.4281, 0.4638 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 46.6289, 0.4281, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 46.6289, 0.4281, 0.4638.



This preview shows how white text looks on a background with the Yxy color 46.6289, 0.4281, 0.4638.

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

46.6289, 0.4281, 0.4638

Protanopia

46.6090, 0.4245, 0.4664

Deuteranopia

46.5658, 0.4519, 0.4431



Tritanopia

46.5050, 0.3456, 0.3136

Trichromacy



Original Color

46.6289, 0.4281, 0.4638

Protanomaly

46.7508, 0.4254, 0.4658

Deuteranomaly

46.6032, 0.4434, 0.4504

Tritanomaly

45.8394, 0.3820, 0.3733

Monochromacy



Original Color

46.6289, 0.4281, 0.4638

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7025, 0.3591, 0.3880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6289, 0.4281, 0.4638 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 $rgb(207, 181, 59)$ looks like.

```
.text, #text, p{  
    color:rgb(207, 181, 59)  
}
```

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(207, 181, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 181, 59) }
```

Border

The CSS property to change the border of an element to Yxy 46.6289, 0.4281, 0.4638 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(207, 181, 59) }
```

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

```
.border{ border-color:rgb(207, 181, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 181, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 181, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 181, 59);  
box-shadow:4px 4px 4px 4px rgb(207, 181,  
59) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 46.6289, 0.4281, 0.4638$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 181, 59) }
```

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

```
.background{ background-color: rgb(207,  
181, 59) }
```

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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