

Converting Colors

$Y_{xy}(46.2264, 0.4242, 0.5014)$

Have a look what the booklet for
Yxy(46.2264, 0.4242, 0.5014)
contains.

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Color

Yxy(46.1942, 0.4240, 0.5016)

Conversions

Conversions Part 1

Format	Color
Hex	BFBA00
RGB	191, 186, 0
RGB Percent	75%, 73%, 0%
CMY	0.2509, 0.2706, 1.0000
CMYK	0.00, 0.03, 1.00, 0.25
HSL	58°, 100%, 37%
HSV	58°, 100%, 75%
XYZ	39.0477, 46.1942, 6.8518
YIQ	166.2910, 62.6860, -56.7860

Conversions

Conversions Part 2

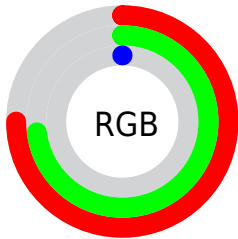
Format	Color
R _Y B	5, 191, 0
Decimal	12564992
CIE Lab	73.67, -14.82, 75.06
CIE LCh	74, 76.504, 101.168
Yxy	46.1942, 0.4240, 0.5016
Android (android.graphics.Color)	4290755072 (0xFFBFBA00)
YUV	166.2910, -81.9815, 21.6698
Hunter-Lab	67.9663, -16.3900, 41.5993

Details

The Yxy color **46.1942, 0.4240, 0.5016** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.8715, 0.1504, 0.0616**, and the grayscale version is **38.6666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6076, 0.4105, 0.4756**, and **21.7616, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **46.1968, 0.4240, 0.5016**, and if you desaturate by 10%, it is **46.4561, 0.4212, 0.4982**.

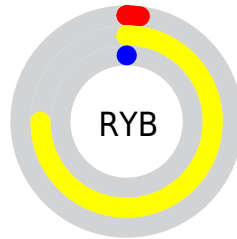
Distribution



Red (75%)

Green (73%)

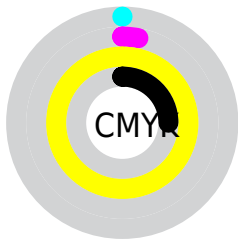
Blue (0%)



Red (2%)

Yellow (75%)

Blue (0%)

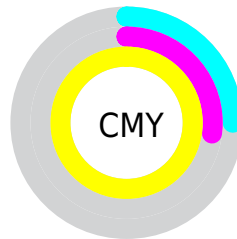


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1942, 0.4240, 0.5016 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 46.1942, 0.4240, 0.5016 by changing the saturation by 10% instead.

 46.1942, 0.4240,
0.5016


 46.1942, 0.4240,
0.5016


371.5888, 0.3784,
0.4218

 32.3991, 0.4305,
0.5170


 84.5096, 0.4108,
0.4756


 21.6665, 0.4357,
0.5336


 109.7986, 0.4048,
0.4648


 13.6121, 0.4427,
0.5566


 139.6878, 0.3993,
0.4554

 7.8514, 0.4339,
0.5661

 174.5614, 0.3943,
0.4470

 4.0000, 0.4200,
0.5800

 214.8039, 0.3897,
0.4396

 1.6736, 0.3965,
0.6035

 260.7998, 0.3856,

 0.4064, 0.0571,

0.4330

0.9429

312.9333, 0.3818,
0.4271

■ 0.0000, 0.0000,
0.0000

■ 46.1942, 0.4240,
0.5016

■ 46.1942, 0.4240,
0.5016

■ 46.1968, 0.4240,
0.5016

■ 46.4561, 0.4212,
0.4982

■ 46.7627, 0.4163,
0.4914

■ 47.1333, 0.4087,
0.4803

■ 47.5765, 0.3987,
0.4650

■ 48.0994, 0.3865,
0.4462

■ 48.7084, 0.3728,
0.4246

■ 49.4092, 0.3579,
0.4012

■ 50.2069, 0.3427,
0.3770

■ 51.1063, 0.3275,
0.3527

Harmonies

Analogous

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



46.1942, 0.4959, 0.4332



46.1942, 0.4240, 0.5016



46.1942, 0.3301, 0.5279

Triad

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



46.1942, 0.4240, 0.5016



46.1942, 0.1421, 0.2426



46.1942, 0.3709, 0.2331

Complementary

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



46.1942, 0.4240, 0.5016



3.8715, 0.1504, 0.0616

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.



46.1942, 0.2646, 0.1928



46.1942, 0.4240, 0.5016



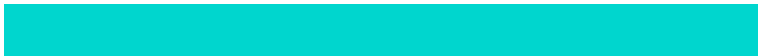
46.1942, 0.1492, 0.1913

Square

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



46.1942, 0.4240, 0.5016



46.1942, 0.1697, 0.3413



46.1942, 0.1889, 0.1775



46.1942, 0.4728, 0.2921

Rectangle

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



46.1942, 0.4240, 0.5016



46.1942, 0.2661, 0.4957



46.1942, 0.1889, 0.1775



46.1942, 0.3335, 0.2172

Sweetspot

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



46.1968, 0.4240, 0.5016



88.4075, 0.3587, 0.4023



11.0930, 0.6367, 0.3281



19.2921, 0.3651, 0.4124



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1968, 0.4240, 0.5016



82.6591, 0.4240, 0.5015



40.0882, 0.3411, 0.5674



11.0763, 0.3265, 0.3511



30.3722, 0.4239, 0.5016



1.2034, 0.4227, 0.5026

Inverse Universe

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



3.8715, 0.1504, 0.0616



6.8782, 0.1503, 0.0611



5.8934, 0.1958, 0.0852



9.2645, 0.2984, 0.3059



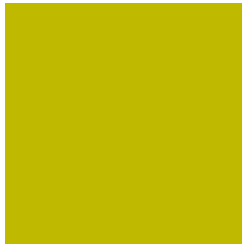
2.5623, 0.1506, 0.0620



0.1143, 0.1527, 0.0696

Previews

White Background



This preview shows how the Yxy color 46.1942, 0.4240, 0.5016 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 46.1942, 0.4240, 0.5016 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 46.1942, 0.4240, 0.5016

Background



This preview shows how black text looks on a background with the Yxy color 46.1942, 0.4240, 0.5016.



This preview shows how white text looks on a background with the Yxy color 46.1942, 0.4240, 0.5016.

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

46.1942, 0.4240, 0.5016

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

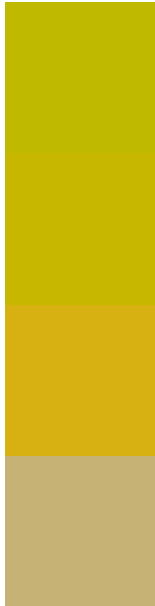
46.0782, 0.4672, 0.4586



Tritanopia

46.1288, 0.3287, 0.3130

Trichromacy



Original Color

46.1942, 0.4240, 0.5016

Protanomaly

46.0091, 0.4342, 0.4934

Deuteranomaly

45.9318, 0.4527, 0.4742

Tritanomaly

45.2909, 0.3828, 0.4056

Monochromacy



Original Color

46.1942, 0.4240, 0.5016

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.0417, 0.3717, 0.4225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1942, 0.4240, 0.5016 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(191, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 186, 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(191, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.1942, 0.4240, 0.5016 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(191, 186, 0) }
```

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

```
.border{ border-color:rgb(191, 186, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1942, 0.4240, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 186, 0) }
```

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

```
.background{ background-color: rgb(191,  
186, 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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