

Converting Colors

$Y_{xy}(50.8895, 0.4233, 0.5021)$

Have a look what the booklet for
Yxy(50.8895, 0.4233, 0.5021)
contains.

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Color

Yxy(50.7257, 0.4238, 0.5017)

Conversions

Conversions Part 1

Format	Color
Hex	C7C200
RGB	199, 194, 0
RGB Percent	78%, 76%, 0%
CMY	0.2195, 0.2392, 0.9999
CMYK	0.00, 0.03, 1.00, 0.22
HSL	58°, 100%, 39%
HSV	58°, 100%, 78%
XYZ	42.8494, 50.7257, 7.5325
YIQ	173.3790, 65.2540, -59.2740

Conversions

Conversions Part 2

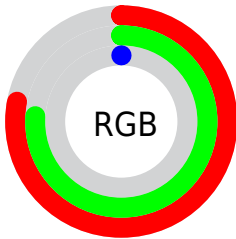
Format	Color
RYB	5, 199, 0
Decimal	13091328
CIELab	76.51, -15.37, 77.40
CIELCh	77, 78.914, 101.233
Yxy	50.7257, 0.4238, 0.5017
Android (android.graphics.Color)	4291281408 (0xFFC7C200)
YUV	173.3790, -85.4758, 22.4696
Hunter-Lab	71.2220, -17.2472, 43.5848

Details

The Yxy color **50.7257, 0.4238, 0.5017** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **4.2341, 0.1504, 0.0614**, and the grayscale version is **42.4174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2557, 0.4078, 0.4781**, and **24.6252, 0.4181, 0.5062** is the 20% darker color. If you saturate the color by 10%, you get **50.7278, 0.4238, 0.5017**, and if you desaturate by 10%, it is **51.0023, 0.4211, 0.4984**.

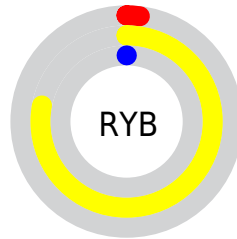
Distribution



Red (78%)

Green (76%)

Blue (0%)



Red (2%)

Yellow (78%)

Blue (0%)

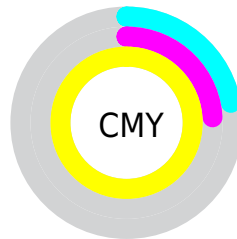


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7257, 0.4238, 0.5017 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 50.7257, 0.4238, 0.5017 by changing the saturation by 10% instead.


 50.7257, 0.4238,
0.5017


 50.7257, 0.4238,
0.5017


389.4971, 0.3792,
0.4233

 35.9904, 0.4301,
0.5166


 91.2492, 0.4111,
0.4764

 24.4267, 0.4352,
0.5327


 117.8061, 0.4052,
0.4658

 15.6505, 0.4404,
0.5527

 149.0724, 0.3998,
0.4565

 9.2772, 0.4349,
0.5651

 185.4323, 0.3949,
0.4483

 4.9224, 0.4222,
0.5778

 227.2704, 0.3904,
0.4409

 2.2018, 0.4015,
0.5985

 274.9709, 0.3863,

 0.7210, 0.3007,

0.4344

0.6993

328.9184, 0.3826,
0.4285

■ 0.0000, 0.0000,
0.0000

■ 50.7257, 0.4238,
0.5017

■ 50.7257, 0.4238,
0.5017

■ 50.7278, 0.4238,
0.5017

■ 51.0023, 0.4211,
0.4984

■ 51.3288, 0.4163,
0.4917

■ 51.7257, 0.4088,
0.4806

■ 52.2023, 0.3988,
0.4654

■ 52.7666, 0.3867,
0.4465

■ 53.4257, 0.3729,
0.4249

■ 54.1858, 0.3580,
0.4014

■ 55.0527, 0.3427,
0.3771

■ 56.0316, 0.3275,
0.3527

Harmonies

Analogous

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



50.7257, 0.4957, 0.4334



50.7257, 0.4238, 0.5017



50.7257, 0.3299, 0.5278

Triad

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



50.7257, 0.4238, 0.5017



50.7257, 0.1421, 0.2424



50.7257, 0.3711, 0.2333

Complementary

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



50.7257, 0.4238, 0.5017



4.2341, 0.1504, 0.0614

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.



50.7257, 0.2648, 0.1928



50.7257, 0.4238, 0.5017



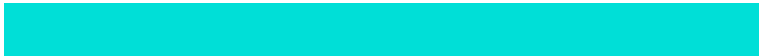
50.7257, 0.1492, 0.1913

Square

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



50.7257, 0.4238, 0.5017



50.7257, 0.1696, 0.3410



50.7257, 0.1890, 0.1775



50.7257, 0.4730, 0.2923

Rectangle

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



50.7257, 0.4238, 0.5017



50.7257, 0.2659, 0.4955



50.7257, 0.1890, 0.1775



50.7257, 0.3337, 0.2173

Sweetspot

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



50.7281, 0.4238, 0.5017



94.7886, 0.3587, 0.4025



12.1601, 0.6369, 0.3282



20.1628, 0.3651, 0.4127



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.



50.7281, 0.4238, 0.5017



88.7417, 0.4239, 0.5017



43.9305, 0.3409, 0.5675



12.3693, 0.3266, 0.3513



32.6316, 0.4237, 0.5018



1.5600, 0.4227, 0.5025

Inverse Universe

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



4.2341, 0.1504, 0.0614



7.3597, 0.1503, 0.0610



6.4462, 0.1955, 0.0851



10.3296, 0.2983, 0.3057



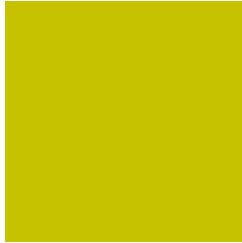
2.7409, 0.1505, 0.0618



0.1451, 0.1523, 0.0683

Previews

White Background



This preview shows how the Yxy color 50.7257, 0.4238, 0.5017 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 50.7257, 0.4238, 0.5017 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 50.7257, 0.4238, 0.5017

Background



This preview shows how black text looks on a background with the Yxy color 50.7257, 0.4238, 0.5017.



This preview shows how white text looks on a background with the Yxy color 50.7257, 0.4238, 0.5017.

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

50.7257, 0.4238, 0.5017

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

50.5012, 0.4681, 0.4582



Tritanopia

50.3864, 0.3281, 0.3124

Trichromacy



Original Color

50.7257, 0.4238, 0.5017

Protanomaly

50.6715, 0.4345, 0.4932

Deuteranomaly

50.1719, 0.4532, 0.4738

Tritanomaly

49.3934, 0.3829, 0.4053

Monochromacy



Original Color

50.7257, 0.4238, 0.5017

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.1186, 0.3715, 0.4243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7257, 0.4238, 0.5017 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(199, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 194, 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(199, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.7257, 0.4238, 0.5017 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(199, 194, 0) }
```

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

```
.border{ border-color:rgb(199, 194, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 194,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7257, 0.4238, 0.5017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 194, 0) }
```

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

```
.background{ background-color: rgb(199,  
194, 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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