

Converting Colors

Yxy(51.9892, 0.4205, 0.4880)

Have a look what the booklet for
Yxy(51.9892, 0.4205, 0.4880)
contains.

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Color

Yxy(52.0277, 0.4203, 0.4880)

Conversions

Conversions Part 1

Format	Color
Hex	CCC329
RGB	204, 195, 41
RGB Percent	80%, 76%, 16%
CMY	0.2001, 0.2352, 0.8393
CMYK	0.00, 0.04, 0.80, 0.20
HSL	57°, 67%, 48%
HSV	57°, 80%, 80%
XYZ	44.8099, 52.0277, 9.7765
YIQ	180.1350, 54.7980, -45.9860

Conversions

Conversions Part 2

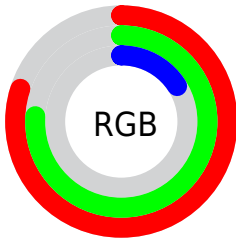
Format	Color
RYB	51, 204, 41
Decimal	13419305
CIELab	77.30, -13.00, 71.30
CIELCh	77, 72.474, 100.330
Yxy	52.0277, 0.4203, 0.4880
Android (android.graphics.Color)	4291609385 (0xFFCCC329)
YUV	180.1350, -68.5936, 20.9296
Hunter-Lab	72.1302, -15.3372, 42.4550

Details

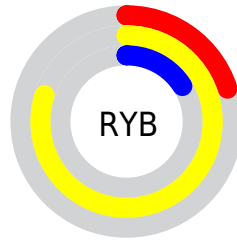
The Yxy color **52.0277, 0.4203, 0.4880** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **7.1047, 0.1663, 0.0913**, and the grayscale version is **46.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1939, 0.4003, 0.4675**, and **25.4570, 0.4241, 0.5015** is the 20% darker color. If you saturate the color by 10%, you get **51.4228, 0.4259, 0.4945**, and if you desaturate by 10%, it is **52.7150, 0.4120, 0.4772**.

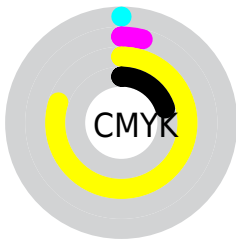
Distribution



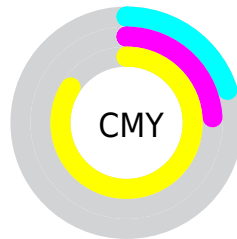
- Red (80%)
- Green (76%)
- Blue (16%)



- Red (20%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (4%)
- Yellow (80%)
- Black (20%)




- Cyan (20%)
- Magenta (24%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0277, 0.4203, 0.4880 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 52.0277, 0.4203, 0.4880 by changing the saturation by 10% instead.

 52.0277, 0.4203,
0.4880

 52.0277, 0.4203,
0.4880


394.5435, 0.3752,
0.4149


 37.0272, 0.4276,
0.5025


 93.1721, 0.4067,
0.4640

 25.2285, 0.4346,
0.5187


 120.0847, 0.4007,
0.4541


 16.2474, 0.4402,
0.5362


 151.7368, 0.3953,
0.4455

 9.6994, 0.4439,
0.5561

 188.5128, 0.3905,
0.4379

 5.2001, 0.4336,
0.5664

 230.7971, 0.3861,
0.4311

 2.3651, 0.4169,
0.5831

 278.9741, 0.3821,

 0.8079, 0.3581,

0.4251

0.6419

333.4281, 0.3785,
0.4198

■ 0.0000, 0.0000,
0.0000

■ 52.0277, 0.4203,
0.4880

■ 52.0277, 0.4203,
0.4880

■ 51.4228, 0.4259,
0.4945

■ 52.7150, 0.4120,
0.4772

■ 50.8743, 0.4293,
0.4973

■ 53.4873, 0.4012,
0.4622

■ 50.8692, 0.4293,
0.4973

■ 54.3557, 0.3883,
0.4436

■ 55.3274, 0.3739,
0.4223

■ 56.4091, 0.3586,
0.3994

■ 57.6071, 0.3429,
0.3756

■ 58.9269, 0.3275,
0.3519

■ 60.3738, 0.3126,
0.3288

■ 61.9527, 0.2985,
0.3068

Harmonies

Analogous

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



52.0277, 0.4843, 0.4270



52.0277, 0.4203, 0.4880



52.0277, 0.3337, 0.5093

Triad

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



52.0277, 0.4203, 0.4880



52.0277, 0.1542, 0.2528



52.0277, 0.3635, 0.2390

Complementary

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



52.0277, 0.4203, 0.4880



7.1047, 0.1663, 0.0913

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.



52.0277, 0.2666, 0.2015



52.0277, 0.4203, 0.4880



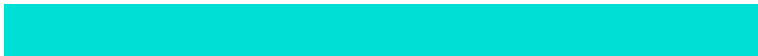
52.0277, 0.1597, 0.2027

Square

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



52.0277, 0.4203, 0.4880



52.0277, 0.1823, 0.3444



52.0277, 0.1966, 0.1880



52.0277, 0.4566, 0.2944

Rectangle

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



52.0277, 0.4203, 0.4880



52.0277, 0.2740, 0.4805



52.0277, 0.1966, 0.1880



52.0277, 0.3295, 0.2241

Sweetspot

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



52.0302, 0.4203, 0.4880



94.5409, 0.3498, 0.3861



14.6639, 0.5763, 0.3213



20.0842, 0.3555, 0.3947



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.



52.0302, 0.4203, 0.4880



84.5247, 0.4284, 0.4966



48.3434, 0.3531, 0.5383



12.9870, 0.3267, 0.3507



32.0755, 0.4291, 0.4975



1.6877, 0.4271, 0.4991

Inverse Universe

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



7.1047, 0.1663, 0.0913



7.9244, 0.1521, 0.0652



9.3621, 0.2139, 0.1093



10.9412, 0.2982, 0.3064



2.9416, 0.1511, 0.0639



0.1871, 0.1547, 0.0769

Previews

White Background



This preview shows how the Yxy color 52.0277, 0.4203, 0.4880 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 52.0277, 0.4203, 0.4880 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 52.0277, 0.4203, 0.4880

Background



This preview shows how black text looks on a background with the Yxy color 52.0277, 0.4203, 0.4880.

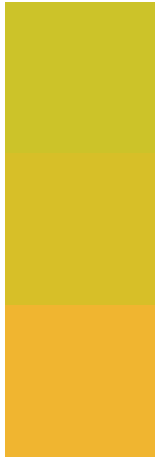


This preview shows how white text looks on a background with the Yxy color 52.0277, 0.4203, 0.4880.

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

52.0277, 0.4203, 0.4880

Protanopia

51.8619, 0.4338, 0.4783

Deuteranopia

51.7864, 0.4617, 0.4512



Tritanopia

52.0403, 0.3306, 0.3127

Trichromacy



Original Color

52.0277, 0.4203, 0.4880

Protanomaly

51.7014, 0.4294, 0.4816

Deuteranomaly

51.6382, 0.4471, 0.4645

Tritanomaly

51.4311, 0.3728, 0.3861

Monochromacy



Original Color

52.0277, 0.4203, 0.4880

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.1017, 0.3614, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0277, 0.4203, 0.4880 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(204, 195, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 195, 41)  
}
```

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(204, 195, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 195, 41) }
```

Border

The CSS property to change the border of an element to Yxy 52.0277, 0.4203, 0.4880 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(204, 195, 41) }
```

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

```
.border{ border-color:rgb(204, 195, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 195, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 195, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 195, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 195,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0277, 0.4203, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 195, 41) }
```

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

```
.background{ background-color: rgb(204,  
195, 41) }
```

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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