

Converting Colors

$Yxy(58.3889, 0.4236, 0.4901)$

Have a look what the booklet for
Yxy(58.3889, 0.4236, 0.4901)
contains.

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Color

Yxy(58.3889, 0.4236, 0.4901)

Conversions

Conversions Part 1

Format	Color
Hex	D8CD24
RGB	216, 205, 36
RGB Percent	85%, 80%, 14%
CMY	0.1530, 0.1960, 0.8587
CMYK	0.00, 0.05, 0.83, 0.15
HSL	56°, 71%, 49%
HSV	56°, 83%, 85%
XYZ	50.4663, 58.3889, 10.2815
YIQ	189.0230, 60.8050, -50.2270

Conversions

Conversions Part 2

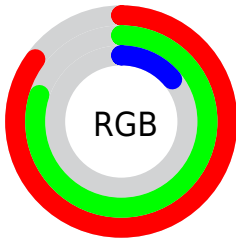
Format	Color
R _Y B	48, 216, 36
Decimal	14208292
CIE Lab	80.95, -13.03, 76.09
CIE LCh	81, 77.196, 99.717
Yxy	58.3889, 0.4236, 0.4901
Android (android.graphics.Color)	4292398372 (0xFFD8CD24)
YUV	189.0230, -75.4403, 23.6588
Hunter-Lab	76.4126, -15.8327, 45.5112

Details

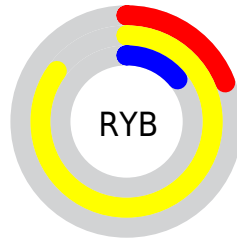
The Yxy color **58.3889, 0.4236, 0.4901** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **7.3670, 0.1623, 0.0845**, and the grayscale version is **51.3196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **29.3013, 0.4260, 0.4999** is the 20% darker color. If you saturate the color by 10%, you get **57.6692, 0.4284, 0.4949**, and if you desaturate by 10%, it is **59.1989, 0.4161, 0.4809**.

Distribution



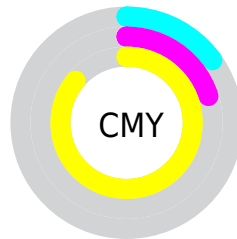
- Red (85%)
- Green (80%)
- Blue (14%)



- Red (19%)
- Yellow (85%)
- Blue (14%)



- Cyan (0%)
- Magenta (5%)
- Yellow (83%)
- Black (15%)




- Cyan (15%)
- Magenta (20%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3889, 0.4236, 0.4901 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 58.3889, 0.4236, 0.4901 by changing the saturation by 10% instead.


 58.3889, 0.4236,
0.4901


 58.3889, 0.4236,
0.4901


418.6335, 0.3786,
0.4183


 42.1214, 0.4306,
0.5038

 102.4890, 0.4103,
0.4670


 29.1963, 0.4373,
0.5189


 131.0903, 0.4044,
0.4574

 19.2294, 0.4424,
0.5347


 164.5717, 0.3990,
0.4489

 11.8362, 0.4466,
0.5534

 203.3176, 0.3941,
0.4413

 6.6322, 0.4377,
0.5623

 247.7123, 0.3897,
0.4346

 3.2332, 0.4239,
0.5761

 298.1403, 0.3856,

 1.2546, 0.3995,

0.4286

0.6005

354.9859, 0.3820,
0.4232

■ 0.1057, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3889, 0.4236,
0.4901

■ 58.3889, 0.4236,
0.4901

■ 57.6692, 0.4284,
0.4949

■ 59.1989, 0.4161,
0.4809

■ 57.2196, 0.4305,
0.4964

■ 60.1035, 0.4059,
0.4674

■ 61.1156, 0.3935,
0.4500

■ 62.2443, 0.3794,
0.4296

■ 63.4974, 0.3642,
0.4072

■ 64.8823, 0.3485,
0.3836

■ 66.4055, 0.3328,
0.3598

■ 68.0734, 0.3176,
0.3365

■ 69.8916, 0.3032,
0.3142

Harmonies

Analogous

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



58.3889, 0.4886, 0.4267



58.3889, 0.4236, 0.4901



58.3889, 0.3354, 0.5144

Triad

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



58.3889, 0.4236, 0.4901



58.3889, 0.1514, 0.2522



58.3889, 0.3625, 0.2361

Complementary

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



58.3889, 0.4236, 0.4901



7.3670, 0.1623, 0.0845

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.



58.3889, 0.2636, 0.1985



58.3889, 0.4236, 0.4901



58.3889, 0.1563, 0.2006

Square

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



58.3889, 0.4236, 0.4901



58.3889, 0.1803, 0.3468



58.3889, 0.1931, 0.1853



58.3889, 0.4586, 0.2921

Rectangle

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



58.3889, 0.4236, 0.4901



58.3889, 0.2745, 0.4864



58.3889, 0.1931, 0.1853



58.3889, 0.3277, 0.2211

Sweetspot

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



58.3917, 0.4236, 0.4901



94.0963, 0.3515, 0.3882



16.0745, 0.5908, 0.3221



19.9854, 0.3571, 0.3966



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.



58.3917, 0.4236, 0.4901



83.2532, 0.4306, 0.4963



54.6367, 0.3523, 0.5445



14.3841, 0.3268, 0.3507



33.9311, 0.4303, 0.4965



2.0868, 0.4282, 0.4982

Inverse Universe

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



7.3670, 0.1623, 0.0845



7.5776, 0.1508, 0.0627



9.7995, 0.2089, 0.1025



12.1291, 0.2981, 0.3064



3.1609, 0.1512, 0.0641



0.2344, 0.1547, 0.0770

Previews

White Background



This preview shows how the Yxy color 58.3889, 0.4236, 0.4901 looks on a white background.

Color Contrast Check

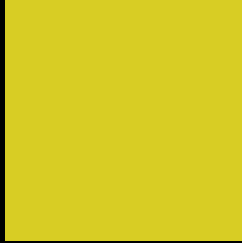
Large Text (above 18pt) WCAG AA × Fail

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 58.3889, 0.4236, 0.4901 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 58.3889, 0.4236, 0.4901

Background



This preview shows how black text looks on a background with the Yxy color 58.3889, 0.4236, 0.4901.



This preview shows how white text looks on a background with the Yxy color 58.3889, 0.4236, 0.4901.

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

58.3889, 0.4236, 0.4901

Protanopia

58.0634, 0.4356, 0.4813

Deuteranopia

58.3337, 0.4637, 0.4538



Tritanopia

58.3758, 0.3323, 0.3124

Trichromacy



Original Color

58.3889, 0.4236, 0.4901

Protanomaly

57.8920, 0.4314, 0.4845

Deuteranomaly

58.1723, 0.4497, 0.4664

Tritanomaly

57.3408, 0.3767, 0.3891

Monochromacy



Original Color

58.3889, 0.4236, 0.4901

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.8658, 0.3637, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3889, 0.4236, 0.4901 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(216, 205, 36)` looks like.

```
.text, #text, p{  
    color:rgb(216, 205, 36)  
}
```

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(216, 205, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 205, 36) }
```

Border

The CSS property to change the border of an element to Yxy 58.3889, 0.4236, 0.4901 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(216, 205, 36) }
```

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

```
.border{ border-color:rgb(216, 205, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 205, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 205, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 205, 36);  
box-shadow:4px 4px 4px 4px rgb(216, 205,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3889, 0.4236, 0.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 205, 36) }
```

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

```
.background{ background-color: rgb(216,  
205, 36) }
```

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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