

Converting Colors

$Y_{xy}(60.2296, 0.4231, 0.4970)$

Have a look what the booklet for
Yxy(60.2296, 0.4231, 0.4970)
contains.

Yxy(60.2578, 0.4229, 0.4971)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.2578, 0.4229, 0.4971)

Conversions

Conversions Part 1

Format	Color
Hex	D8D116
RGB	216, 209, 22
RGB Percent	85%, 82%, 9%
CMY	0.1530, 0.1804, 0.9129
CMYK	0.00, 0.03, 0.90, 0.15
HSL	58°, 81%, 47%
HSV	58°, 90%, 85%
XYZ	51.2634, 60.2578, 9.6975
YIQ	189.7750, 64.1990, -56.6730

Conversions

Conversions Part 2

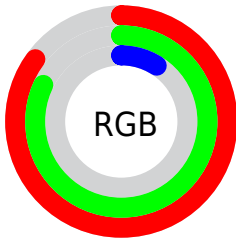
Format	Color
RYB	29, 216, 22
Decimal	14209302
CIELab	81.98, -15.32, 79.61
CIELCh	82, 81.072, 100.893
Yxy	60.2578, 0.4229, 0.4971
Android (android.graphics.Color)	4292399382 (0xFFD8D116)
YUV	189.7750, -82.7131, 22.9993
Hunter-Lab	77.6259, -17.9657, 46.9313

Details

The Yxy color **60.2578, 0.4229, 0.4971** 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 **6.0178, 0.1557, 0.0711**, and the grayscale version is **51.8275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **30.6108, 0.4215, 0.5035** is the 20% darker color. If you saturate the color by 10%, you get **59.8223, 0.4257, 0.5000**, and if you desaturate by 10%, it is **60.7651, 0.4178, 0.4905**.

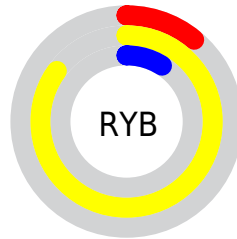
Distribution



Red (85%)

Green (82%)

Blue (9%)



Red (11%)

Yellow (85%)

Blue (9%)

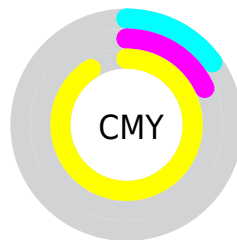


Cyan (0%)

Magenta (3%)

Yellow (90%)

Black (15%)



Cyan (15%)


Magenta (18%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2578, 0.4229, 0.4971 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 60.2578, 0.4229, 0.4971 by changing the saturation by 10% instead.

 60.2578, 0.4229,
0.4971


 60.2578, 0.4229,
0.4971


425.5474, 0.3795,
0.4228


 43.6265, 0.4292,
0.5111


 105.2035, 0.4105,
0.4734

 30.3770, 0.4349,
0.5263


 134.2867, 0.4048,
0.4634

 20.1249, 0.4388,
0.5424

 168.2894, 0.3996,
0.4546

 12.4859, 0.4401,
0.5599

 207.5958, 0.3948,
0.4468

 7.0755, 0.4300,
0.5700

 252.5904, 0.3904,
0.4398

 3.5093, 0.4145,
0.5855

 303.6576, 0.3865,

 1.4031, 0.3874,

0.4336

0.6126

361.1818, 0.3828,
0.4279

■ 0.2190, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.2578, 0.4229,
0.4971

■ 60.2578, 0.4229,
0.4971

■ 59.8223, 0.4257,
0.5000

■ 60.7651, 0.4178,
0.4905

■ 59.8105, 0.4258,
0.5001

■ 61.3556, 0.4100,
0.4795

■ 62.0439, 0.3997,
0.4643

■ 62.8397, 0.3872,
0.4454

63.7515, 0.3732,
0.4238

64.7869, 0.3581,
0.4004

65.9530, 0.3426,
0.3762

67.2563, 0.3272,
0.3520

68.7028, 0.3123,
0.3284

Harmonies

Analogous

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



60.2578, 0.4921, 0.4312



60.2578, 0.4229, 0.4971



60.2578, 0.3314, 0.5217

Triad

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



60.2578, 0.4229, 0.4971



60.2578, 0.1461, 0.2460



60.2578, 0.3684, 0.2351

Complementary

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



60.2578, 0.4229, 0.4971



6.0178, 0.1557, 0.0711

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.



60.2578, 0.2652, 0.1956



60.2578, 0.4229, 0.4971



60.2578, 0.1526, 0.1951

Square

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



60.2578, 0.4229, 0.4971



60.2578, 0.1739, 0.3424



60.2578, 0.1914, 0.1810



60.2578, 0.4674, 0.2929

Rectangle

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



60.2578, 0.4229, 0.4971



60.2578, 0.2688, 0.4906



60.2578, 0.1914, 0.1810



60.2578, 0.3321, 0.2195

Sweetspot

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



60.2606, 0.4229, 0.4971



94.7592, 0.3543, 0.3945



15.2824, 0.6150, 0.3256



20.1632, 0.3596, 0.4028



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.



60.2606, 0.4229, 0.4971



87.0582, 0.4259, 0.5001



53.8150, 0.3479, 0.5553



14.4396, 0.3267, 0.3512



35.4415, 0.4257, 0.5002



2.1621, 0.4245, 0.5011

Inverse Universe

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



6.0178, 0.1557, 0.0711



7.4194, 0.1504, 0.0615



8.8157, 0.2036, 0.0943



12.0797, 0.2981, 0.3058



3.0682, 0.1507, 0.0625



0.2109, 0.1528, 0.0702

Previews

White Background



This preview shows how the Yxy color 60.2578, 0.4229, 0.4971 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 60.2578, 0.4229, 0.4971 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 60.2578, 0.4229, 0.4971

Background



This preview shows how black text looks on a background with the Yxy color 60.2578, 0.4229, 0.4971.



This preview shows how white text looks on a background with the Yxy color 60.2578, 0.4229, 0.4971.

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

60.2578, 0.4229, 0.4971

Protanopia

60.0592, 0.4390, 0.4851

Deuteranopia

60.1491, 0.4580, 0.4495



Tritanopia

59.8947, 0.3288, 0.3114

Trichromacy



Original Color

60.2578, 0.4229, 0.4971

Protanomaly

60.2043, 0.4330, 0.4895

Deuteranomaly

59.7371, 0.4470, 0.4670

Tritanomaly

58.6471, 0.3770, 0.3945

Monochromacy



Original Color

60.2578, 0.4229, 0.4971

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.6596, 0.3659, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2578, 0.4229, 0.4971 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, 209, 22)` looks like.

```
.text, #text, p{  
    color:rgb(216, 209, 22)  
}
```

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, 209, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 209, 22) }
```

Border

The CSS property to change the border of an element to Yxy 60.2578, 0.4229, 0.4971 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, 209, 22) }
```

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

```
.border{ border-color:rgb(216, 209, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 209, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 209, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 209, 22);  
box-shadow:4px 4px 4px 4px rgb(216, 209,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2578, 0.4229, 0.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 209, 22) }
```

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

```
.background{ background-color: rgb(216,  
209, 22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor