

Converting Colors

$Y_{xy}(56.3679, 0.3912, 0.4710)$

Have a look what the booklet for
Yxy(56.3679, 0.3912, 0.4710)
contains.

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Color

Yxy(56.4140, 0.3918, 0.4712)

Conversions

Conversions Part 1

Format	Color
Hex	C7CD52
RGB	199, 205, 82
RGB Percent	78%, 80%, 32%
CMY	0.2196, 0.1961, 0.6784
CMYK	0.03, 0.00, 0.60, 0.20
HSL	63°, 55%, 56%
HSV	63°, 60%, 80%
XYZ	46.9079, 56.4140, 16.4022
YIQ	189.1840, 35.9070, -39.5250

Conversions

Conversions Part 2

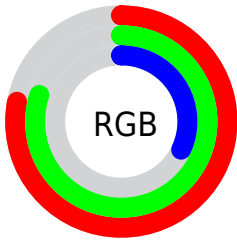
Format	Color
R _Y B	82, 205, 88
Decimal	13094226
CIE Lab	79.85, -18.01, 58.84
CIE LCh	80, 61.535, 107.021
Yxy	56.4140, 0.3918, 0.4712
Android (android.graphics.Color)	4291284306 (0xFFC7CD52)
YUV	189.1840, -52.8417, 8.6086
Hunter-Lab	75.1093, -19.9628, 39.6289

Details

The Yxy color **56.4140, 0.3918, 0.4712** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **12.5212, 0.2011, 0.1394**, and the grayscale version is **51.2950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **27.9499, 0.4040, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **56.0132, 0.4003, 0.4876**, and if you desaturate by 10%, it is **56.9142, 0.3811, 0.4512**.

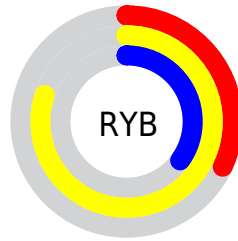
Distribution



Red (78%)

Green (80%)

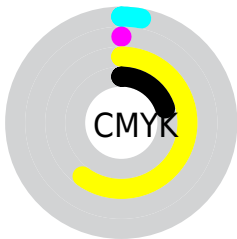
Blue (32%)



Red (32%)

Yellow (80%)

Blue (35%)

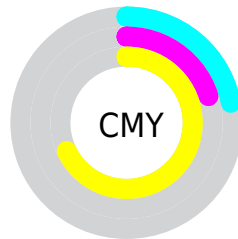


Cyan (3%)

Magenta (0%)

Yellow (60%)

Black (20%)



Cyan (22%)


Magenta (20%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4140, 0.3918, 0.4712 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 56.4140, 0.3918, 0.4712 by changing the saturation by 10% instead.


 56.4140, 0.3918,
0.4712

 56.4140, 0.3918,
0.4712


411.2498, 0.3579,
0.4032


 40.5349, 0.3979,
0.4863


 99.6096, 0.3811,
0.4477


 27.9559, 0.4044,
0.5043


 127.6950, 0.3766,
0.4385


 18.2924, 0.4104,
0.5256


 160.6179, 0.3726,
0.4306

 11.1601, 0.4148,
0.5511

 198.7628, 0.3690,
0.4236

 6.1746, 0.4164,
0.5836

 242.5141, 0.3658,
0.4176

 2.9516, 0.3959,
0.6041

292.2560, 0.3629,

 1.1065, 0.3503,

0.4122

0.6497

348.3732, 0.3603,
0.4075

0.0000, 0.0000,
0.0000

56.4140, 0.3918,
0.4712

56.4140, 0.3918,
0.4712

56.0132, 0.4003,
0.4876

56.9142, 0.3811,
0.4512

55.6952, 0.4062,
0.4999

57.5134, 0.3687,
0.4284

55.4527, 0.4095,
0.5078

58.2210, 0.3551,
0.4039

55.2666, 0.4108,
0.5120

59.0432, 0.3409,
0.3786

55.2664, 0.4108,
0.5120

59.9857, 0.3267,
0.3534

■ 61.0539, 0.3127,
0.3290

■ 62.2527, 0.2993,
0.3057

■ 63.5869, 0.2868,
0.2840

■ 64.2963, 0.2819,
0.2751

Harmonies

Analogous

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



56.4140, 0.4501, 0.4291



56.4140, 0.3918, 0.4712



56.4140, 0.3165, 0.4707

Triad

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



56.4140, 0.3918, 0.4712



56.4140, 0.1753, 0.2543



56.4140, 0.3743, 0.2623

Complementary

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



56.4140, 0.3918, 0.4712



12.5212, 0.2011, 0.1394

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.



56.4140, 0.2918, 0.2251



56.4140, 0.3918, 0.4712



56.4140, 0.1860, 0.2167

Square

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



56.4140, 0.3918, 0.4712



56.4140, 0.1943, 0.3242



56.4140, 0.2253, 0.2085



56.4140, 0.4446, 0.3137

Rectangle

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



56.4140, 0.3918, 0.4712



56.4140, 0.2666, 0.4366



56.4140, 0.2253, 0.2085



56.4140, 0.3465, 0.2479

Sweetspot

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



56.4166, 0.3918, 0.4712



96.9658, 0.3384, 0.3742



20.2637, 0.4956, 0.3343



20.6632, 0.3426, 0.3816



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.



56.4166, 0.3918, 0.4712



91.5791, 0.4023, 0.4917



49.7991, 0.3418, 0.4996



13.0677, 0.3258, 0.3520



34.4159, 0.4109, 0.5119



1.7842, 0.4126, 0.5106

Inverse Universe

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



12.5212, 0.2011, 0.1394



13.4990, 0.1778, 0.1014



16.7050, 0.2554, 0.1630



10.8697, 0.2990, 0.3051



2.7962, 0.1517, 0.0609



0.1536, 0.1575, 0.0641

Previews

White Background



This preview shows how the Yxy color 56.4140, 0.3918, 0.4712 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 56.4140, 0.3918, 0.4712 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 56.4140, 0.3918, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 56.4140, 0.3918, 0.4712.



This preview shows how white text looks on a background with the Yxy color 56.4140, 0.3918, 0.4712.

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

56.4140, 0.3918, 0.4712

Protanopia

56.1830, 0.4156, 0.4565

Deuteranopia

56.0670, 0.4404, 0.4305



Tritanopia

56.0532, 0.3168, 0.3116

Trichromacy



Original Color

56.4140, 0.3918, 0.4712

Protanomaly

56.3644, 0.4061, 0.4622

Deuteranomaly

55.7334, 0.4227, 0.4451

Tritanomaly

55.8065, 0.3476, 0.3715

Monochromacy



Original Color

56.4140, 0.3918, 0.4712

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.5697, 0.3454, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4140, 0.3918, 0.4712 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, 205, 82)` looks like.

```
.text, #text, p{  
    color:rgb(199, 205, 82)  
}
```

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, 205, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 205, 82) }
```

Border

The CSS property to change the border of an element to Yxy 56.4140, 0.3918, 0.4712 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, 205, 82) }
```

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

```
.border{ border-color:rgb(199, 205, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 205, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 205, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 205, 82);  
box-shadow:4px 4px 4px 4px rgb(199, 205,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4140, 0.3918, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 205, 82) }
```

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

```
.background{ background-color: rgb(199,  
205, 82) }
```

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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