

Converting Colors

$Y_{xy}(59.2801, 0.3854, 0.5274)$

Have a look what the booklet for
Yxy(59.2801, 0.3854, 0.5274)
contains.

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Color

Yxy(59.1412, 0.3858, 0.5269)

Conversions

Conversions Part 1

Format	Color
Hex	B2D914
RGB	178, 217, 20
RGB Percent	70%, 85%, 8%
CMY	0.3019, 0.1490, 0.9212
CMYK	0.18, 0.00, 0.91, 0.15
HSL	72°, 83%, 46%
HSV	72°, 91%, 85%
XYZ	43.3036, 59.1412, 9.7989
YIQ	182.8810, 39.9930, -69.5350

Conversions

Conversions Part 2

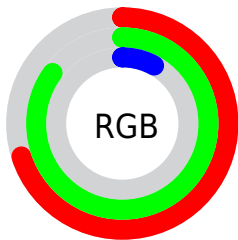
Format	Color
R _Y B	20, 217, 59
Decimal	11720980
CIE Lab	81.37, -34.96, 78.25
CIE LCh	81, 85.704, 114.071
Yxy	59.1412, 0.3858, 0.5269
Android (android.graphics.Color)	4289911060 (0xFFB2D914)
YUV	182.8810, -80.3003, -4.2806
Hunter-Lab	76.9033, -34.0689, 46.2777

Details

The Yxy color **59.1412, 0.3858, 0.5269** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **6.4459, 0.1673, 0.0740**, and the grayscale version is **47.7275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4698, 0.3898, 0.4834**, and **29.8337, 0.3746, 0.5408** is the 20% darker color. If you saturate the color by 10%, you get **58.6290, 0.3844, 0.5330**, and if you desaturate by 10%, it is **59.7750, 0.3853, 0.5165**.

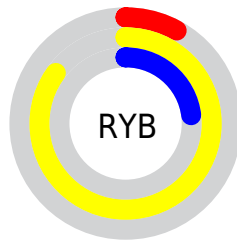
Distribution



Red (70%)

Green (85%)

Blue (8%)



Red (8%)

Yellow (85%)

Blue (23%)

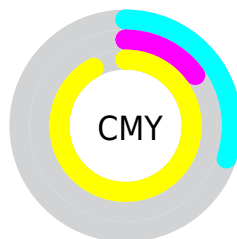


Cyan (18%)

Magenta (0%)

Yellow (91%)

Black (15%)



Cyan (30%)

Magenta (15%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1412, 0.3858, 0.5269 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 59.1412, 0.3858, 0.5269 by changing the saturation by 10% instead.

 59.1412, 0.3858,
0.5269


 59.1412, 0.3858,
0.5269


421.4250, 0.3609,
0.4336

 42.7268, 0.3877,
0.5463

 103.5829, 0.3800,
0.4956

 29.6708, 0.3877,
0.5686


 132.3789, 0.3768,
0.4830


 19.5889, 0.3842,
0.5939


 166.0709, 0.3737,
0.4720

 12.0965, 0.3757,
0.6243

 205.0434, 0.3708,
0.4623

 6.8095, 0.3511,
0.6489

 249.6806, 0.3681,
0.4539

 3.3432, 0.3133,
0.6867

 300.3670, 0.3655,

 1.3134, 0.2070,

0.4463

0.7930

357.4870, 0.3631,
0.4396

■ 0.1516, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1412, 0.3858,
0.5269

■ 59.1412, 0.3858,
0.5269

■ 58.6290, 0.3844,
0.5330

■ 59.7750, 0.3853,
0.5165

■ 60.5061, 0.3823,
0.5015

■ 61.3491, 0.3767,
0.4822

■ 62.3143, 0.3689,
0.4595

■ 63.4106, 0.3593,
0.4345

■ 64.6458, 0.3484,
0.4082

■ 66.0273, 0.3369,
0.3816

■ 67.5619, 0.3252,
0.3556

■ 69.2557, 0.3136,
0.3308

Harmonies

Analogous

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



59.1412, 0.4725, 0.4669



59.1412, 0.3858, 0.5269



59.1412, 0.2868, 0.5190

Triad

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



59.1412, 0.3858, 0.5269



59.1412, 0.1372, 0.2118



59.1412, 0.4217, 0.2547

Complementary

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



59.1412, 0.3858, 0.5269



6.4459, 0.1673, 0.0740

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.



59.1412, 0.3074, 0.2043



59.1412, 0.3858, 0.5269



59.1412, 0.1585, 0.1778

Square

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



59.1412, 0.3858, 0.5269



59.1412, 0.1491, 0.2914



59.1412, 0.2142, 0.1773



59.1412, 0.5075, 0.3197

Rectangle

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



59.1412, 0.3858, 0.5269



59.1412, 0.2257, 0.4575



59.1412, 0.2142, 0.1773



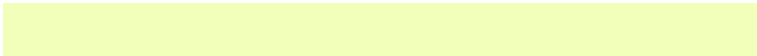
59.1412, 0.3837, 0.2358

Sweetspot

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



59.1439, 0.3858, 0.5269



93.8376, 0.3445, 0.3989



17.6503, 0.5997, 0.3509



19.9434, 0.3484, 0.4080



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.



59.1439, 0.3858, 0.5269



84.4310, 0.3840, 0.5333



51.4906, 0.3196, 0.5782



15.1269, 0.3237, 0.3523



35.5361, 0.3849, 0.5326



2.3361, 0.3908, 0.5279

Inverse Universe

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



6.4459, 0.1673, 0.0740



7.9104, 0.1584, 0.0646



12.4475, 0.2490, 0.1182



12.7407, 0.3011, 0.3050



3.3783, 0.1600, 0.0655



0.2551, 0.1752, 0.0739

Previews

White Background



This preview shows how the Yxy color 59.1412, 0.3858, 0.5269 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 59.1412, 0.3858, 0.5269 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 59.1412, 0.3858, 0.5269

Background



This preview shows how black text looks on a background with the Yxy color 59.1412, 0.3858, 0.5269.



This preview shows how white text looks on a background with the Yxy color 59.1412, 0.3858, 0.5269.

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

59.1412, 0.3858, 0.5269

Protanopia

58.6010, 0.4392, 0.4868

Deuteranopia

58.4996, 0.4654, 0.4544



Tritanopia

59.0388, 0.2971, 0.3102

Trichromacy



Original Color

59.1412, 0.3858, 0.5269

Protanomaly

58.2184, 0.4195, 0.5015

Deuteranomaly

57.5928, 0.4367, 0.4809

Tritanomaly

57.5198, 0.3421, 0.4058

Monochromacy



Original Color

59.1412, 0.3858, 0.5269

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

50.3092, 0.3545, 0.4225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1412, 0.3858, 0.5269 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(178, 217, 20)` looks like.

```
.text, #text, p{  
    color:rgb(178, 217, 20)  
}
```

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(178, 217, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 217, 20) }
```

Border

The CSS property to change the border of an element to Yxy 59.1412, 0.3858, 0.5269 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(178, 217, 20) }
```

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

```
.border{ border-color:rgb(178, 217, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 217, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 217, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 217, 20);  
box-shadow:4px 4px 4px 4px rgb(178, 217,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1412, 0.3858, 0.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 217, 20) }
```

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

```
.background{ background-color: rgb(178,  
217, 20) }
```

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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