

Converting Colors

Yxy(59.5897, 0.3904, 0.5017)

Have a look what the booklet for
Yxy(59.5897, 0.3904, 0.5017)
contains.

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Color

Yxy(59.4550, 0.3903, 0.5018)

Conversions

Conversions Part 1

Format	Color
Hex	BFD638
RGB	191, 214, 56
RGB Percent	75%, 84%, 22%
CMY	0.2510, 0.1608, 0.7802
CMYK	0.11, 0.00, 0.74, 0.16
HSL	69°, 66%, 53%
HSV	69°, 74%, 84%
XYZ	46.2441, 59.4550, 12.7844
YIQ	189.1110, 37.0100, -54.0140

Conversions

Conversions Part 2

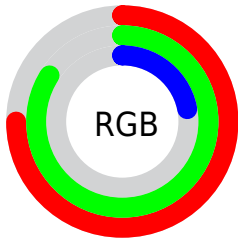
Format	Color
RYB	56, 214, 79
Decimal	12572216
CIELab	81.54, -27.18, 70.24
CIELCh	82, 75.315, 111.154
Yxy	59.4550, 0.3903, 0.5018
Android (android.graphics.Color)	4290762296 (0xFFBFD638)
YUV	189.1110, -65.6237, 1.6567
Hunter-Lab	77.1071, -27.8840, 44.1447

Details

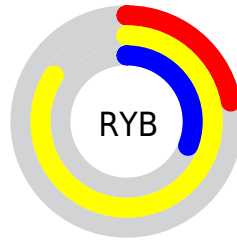
The Yxy color **59.4550, 0.3903, 0.5018** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **9.3527, 0.1851, 0.1031**, and the grayscale version is **51.3252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0589, 0.3891, 0.4629**, and **29.8646, 0.3921, 0.5268** is the 20% darker color. If you saturate the color by 10%, you get **58.8909, 0.3935, 0.5143**, and if you desaturate by 10%, it is **60.1226, 0.3845, 0.4849**.

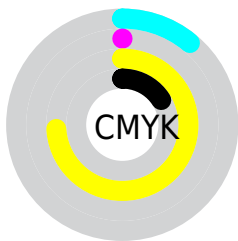
Distribution



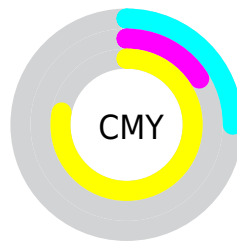
- Red (75%)
- Green (84%)
- Blue (22%)



- Red (22%)
- Yellow (84%)
- Blue (31%)



- Cyan (11%)
- Magenta (0%)
- Yellow (74%)
- Black (16%)



- Cyan (25%)
- Magenta (16%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4550, 0.3903, 0.5018 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 59.4550, 0.3903, 0.5018 by changing the saturation by 10% instead.

■ 59.4550, 0.3903,
0.5018

■ 59.4550, 0.3903,
0.5018

422.5860, 0.3604,
0.4202

■ 42.9795, 0.3944,
0.5192

■ 104.0387, 0.3819,
0.4741

■ 29.8690, 0.3976,
0.5396

■ 132.9156, 0.3780,
0.4630

■ 19.7392, 0.3988,
0.5629

■ 166.6952, 0.3744,
0.4535

■ 12.2056, 0.3997,
0.5956

■ 205.7618, 0.3711,
0.4451

■ 6.8839, 0.3828,
0.6172

■ 250.4997, 0.3681,
0.4377

■ 3.3896, 0.3538,
0.6462

301.2935, 0.3653,

■ 1.3383, 0.2916,

0.4312

0.7084

358.5275, 0.3627,
0.4254

0.1706, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

59.4550, 0.3903,
0.5018

59.4550, 0.3903,
0.5018

58.8909, 0.3935,
0.5143

60.1226, 0.3845,
0.4849

58.4099, 0.3941,
0.5224

60.8957, 0.3764,
0.4642


58.1422, 0.3936,
0.5257


61.7859, 0.3663,
0.4406


62.8011, 0.3549,
0.4153

 63.9484, 0.3426,
0.3893

 65.2344, 0.3300,
0.3633

 66.6652, 0.3174,
0.3382

 68.2466, 0.3053,
0.3145

 69.9840, 0.2937,
0.2923

Harmonies

Analogous

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



59.4550, 0.4645, 0.4505



59.4550, 0.3903, 0.5018



59.4550, 0.3012, 0.4974

Triad

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



59.4550, 0.3903, 0.5018



59.4550, 0.1533, 0.2306



59.4550, 0.3995, 0.2578

Complementary

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



59.4550, 0.3903, 0.5018



9.3527, 0.1851, 0.1031

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.



59.4550, 0.2996, 0.2130



59.4550, 0.3903, 0.5018



59.4550, 0.1700, 0.1945

Square

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



59.4550, 0.3903, 0.5018



59.4550, 0.1687, 0.3071



59.4550, 0.2185, 0.1905



59.4550, 0.4793, 0.3172

Rectangle

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



59.4550, 0.3903, 0.5018



59.4550, 0.2446, 0.4493



59.4550, 0.2185, 0.1905



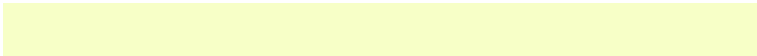
59.4550, 0.3661, 0.2408

Sweetspot

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



59.4577, 0.3903, 0.5018



95.3809, 0.3406, 0.3851



19.9054, 0.5461, 0.3494



20.3092, 0.3440, 0.3923



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.



59.4577, 0.3903, 0.5018



87.1213, 0.3942, 0.5197



51.9582, 0.3310, 0.5426



14.4240, 0.3244, 0.3522



35.1755, 0.3940, 0.5254



2.1472, 0.3986, 0.5217

Inverse Universe

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



9.3527, 0.1851, 0.1031



9.0491, 0.1635, 0.0726



14.7643, 0.2548, 0.1379



12.0947, 0.3004, 0.3050



3.1400, 0.1562, 0.0634



0.2178, 0.1697, 0.0709

Previews

White Background



This preview shows how the Yxy color 59.4550, 0.3903, 0.5018 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 59.4550, 0.3903, 0.5018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

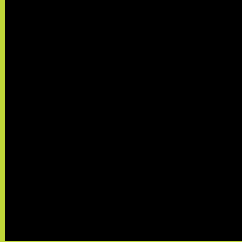
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4550, 0.3903, 0.5018

Background



This preview shows how black text looks on a background with the Yxy color 59.4550, 0.3903, 0.5018.



This preview shows how white text looks on a background with the Yxy color 59.4550, 0.3903, 0.5018.

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

59.4550, 0.3903, 0.5018

Protanopia

59.2998, 0.4295, 0.4745

Deuteranopia

58.9636, 0.4553, 0.4451



Tritanopia

59.3367, 0.3066, 0.3117

Trichromacy



Original Color

59.4550, 0.3903, 0.5018

Protanomaly

59.1881, 0.4152, 0.4846

Deuteranomaly

58.4793, 0.4311, 0.4655

Tritanomaly

58.5145, 0.3445, 0.3876

Monochromacy



Original Color

59.4550, 0.3903, 0.5018

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

53.2584, 0.3489, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4550, 0.3903, 0.5018 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(191, 214, 56)` looks like.

```
.text, #text, p{  
    color:rgb(191, 214, 56)  
}
```

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(191, 214, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 214, 56) }
```

Border

The CSS property to change the border of an element to Yxy 59.4550, 0.3903, 0.5018 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(191, 214, 56) }
```

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

```
.border{ border-color:rgb(191, 214, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 214, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 214, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 214, 56);  
box-shadow:4px 4px 4px 4px rgb(191, 214,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4550, 0.3903, 0.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 214, 56) }
```

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

```
.background{ background-color: rgb(191,  
214, 56) }
```

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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