

Converting Colors

$Y_{xy}(60.2670, 0.3954, 0.5242)$

Have a look what the booklet for
Yxy(60.2670, 0.3954, 0.5242)
contains.

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Color

Yxy(60.3171, 0.3957, 0.5240)

Conversions

Conversions Part 1

Format	Color
Hex	BCD900
RGB	188, 217, 0
RGB Percent	74%, 85%, 0%
CMY	0.2628, 0.1490, 0.9997
CMYK	0.13, 0.00, 1.00, 0.15
HSL	68°, 100%, 43%
HSV	68°, 100%, 85%
XYZ	45.5486, 60.3171, 9.2433
YIQ	183.5910, 52.3730, -73.6350

Conversions

Conversions Part 2

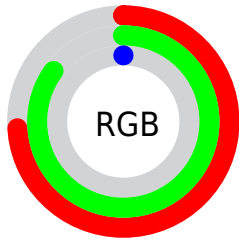
Format	Color
RYB	0, 217, 29
Decimal	12376320
CIELab	82.01, -31.18, 81.08
CIElCh	82, 86.873, 111.035
Yxy	60.3171, 0.3957, 0.5240
Android (android.graphics.Color)	4290566400 (0xFFBCD900)
YUV	183.5910, -90.5104, 3.8667
Hunter-Lab	77.6641, -31.2250, 47.3084

Details

The Yxy color **60.3171, 0.3957, 0.5240** 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 **5.2749, 0.1547, 0.0626**, and the grayscale version is **48.1874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1646, 0.3986, 0.4822**, and **30.5865, 0.3851, 0.5324** is the 20% darker color. If you saturate the color by 10%, you get **60.3183, 0.3957, 0.5240**, and if you desaturate by 10%, it is **60.7493, 0.3961, 0.5184**.

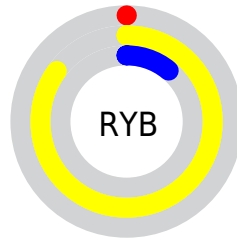
Distribution



Red (74%)

Green (85%)

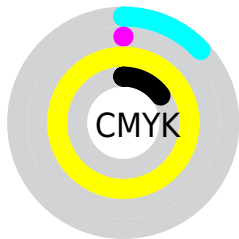
Blue (0%)



Red (0%)

Yellow (85%)

Blue (11%)

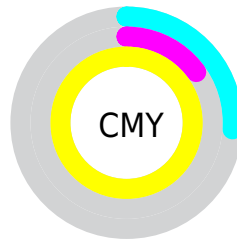


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (26%)


Magenta (15%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3171, 0.3957, 0.5240 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 60.3171, 0.3957, 0.5240 by changing the saturation by 10% instead.


 60.3171, 0.3957,
0.5240


 60.3171, 0.3957,
0.5240


425.7656, 0.3667,
0.4340

 43.6743, 0.3983,
0.5421


 105.2895, 0.3886,
0.4943


 30.4145, 0.3992,
0.5624


 134.3879, 0.3849,
0.4822


 20.1534, 0.3971,
0.5855


 168.4069, 0.3813,
0.4716

 12.5066, 0.3893,
0.6107

 207.7310, 0.3780,
0.4622

 7.0897, 0.3680,
0.6320

 252.7445, 0.3748,
0.4539

 3.5183, 0.3353,
0.6647

 303.8319, 0.3719,

 1.4079, 0.2630,

0.4465

0.7370

361.3774, 0.3692,
0.4399

■ 0.2225, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3171, 0.3957,
0.5240

■ 60.3171, 0.3957,
0.5240

■ 60.3183, 0.3957,
0.5240

■ 60.7493, 0.3961,
0.5184

■ 61.2502, 0.3943,
0.5089

■ 61.8435, 0.3899,
0.4949

■ 62.5410, 0.3829,
0.4767

■ 63.3526, 0.3738,
0.4550

■ 64.2870, 0.3629,
0.4308

■ 65.3522, 0.3509,
0.4052

■ 66.5551, 0.3382,
0.3792

■ 67.9024, 0.3253,
0.3536

Harmonies

Analogous

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



60.3171, 0.4805, 0.4599



60.3171, 0.3957, 0.5240



60.3171, 0.2965, 0.5260

Triad

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



60.3171, 0.3957, 0.5240



60.3171, 0.1360, 0.2168



60.3171, 0.4110, 0.2483

Complementary

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



60.3171, 0.3957, 0.5240



5.2749, 0.1547, 0.0626

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.



60.3171, 0.2963, 0.1998



60.3171, 0.3957, 0.5240



60.3171, 0.1541, 0.1787

Square

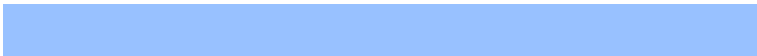
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.3171, 0.3957, 0.5240



60.3171, 0.1515, 0.3020



60.3171, 0.2063, 0.1753



60.3171, 0.5030, 0.3125

Rectangle

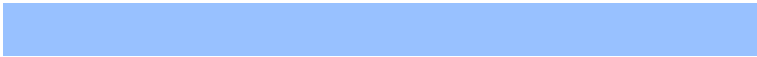
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.3171, 0.3957, 0.5240



60.3171, 0.2337, 0.4704



60.3171, 0.2063, 0.1753



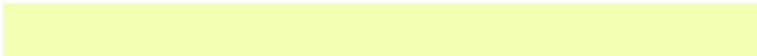
60.3171, 0.3723, 0.2299

Sweetspot

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



60.3199, 0.3957, 0.5240



94.1243, 0.3512, 0.4061



15.6324, 0.6293, 0.3385



20.0022, 0.3565, 0.4170



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.



60.3199, 0.3957, 0.5240



86.8726, 0.3955, 0.5242



51.3201, 0.3198, 0.5842



15.1709, 0.3246, 0.3522



36.5433, 0.3960, 0.5237



2.3925, 0.4001, 0.5205

Inverse Universe

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



5.2749, 0.1547, 0.0626



7.5622, 0.1542, 0.0623



10.3702, 0.2298, 0.1040



12.7003, 0.3002, 0.3050



3.2172, 0.1554, 0.0630



0.2361, 0.1674, 0.0696

Previews

White Background



This preview shows how the Yxy color 60.3171, 0.3957, 0.5240 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 60.3171, 0.3957, 0.5240 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 60.3171, 0.3957, 0.5240

Background



This preview shows how black text looks on a background with the Yxy color 60.3171, 0.3957, 0.5240.



This preview shows how white text looks on a background with the Yxy color 60.3171, 0.3957, 0.5240.

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

60.3171, 0.3957, 0.5240

Deuteranopia

59.6855, 0.4597, 0.4496

Tritanopia

60.2822, 0.3037, 0.3106

Trichromacy



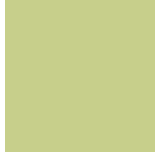
Original Color

60.3171, 0.3957, 0.5240



Deuteranomaly

59.3574, 0.4386, 0.4786



Tritanomaly

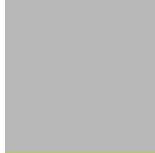
58.6318, 0.3552, 0.4122

Monochromacy



Original Color

60.3171, 0.3957, 0.5240



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

51.0785, 0.3626, 0.4312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3171, 0.3957, 0.5240 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(188, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 217, 0)  
}
```

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(188, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 217, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.3171, 0.3957, 0.5240 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(188, 217, 0) }
```

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

```
.border{ border-color:rgb(188, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(188, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 217,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 60.3171, 0.3957, 0.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 217, 0) }
```

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

```
.background{ background-color: rgb(188,  
217, 0) }
```

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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