

Converting Colors

$Yxy(55.5635, 0.3963, 0.5236)$

Have a look what the booklet for
Yxy(55.5635, 0.3963, 0.5236)
contains.

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Color

Yxy(55.5460, 0.3966, 0.5233)

Conversions

Conversions Part 1

Format	Color
Hex	B6D100
RGB	182, 209, 0
RGB Percent	71%, 82%, 0%
CMY	0.2862, 0.1804, 1.0000
CMYK	0.13, 0.00, 1.00, 0.18
HSL	68°, 100%, 41%
HSV	68°, 100%, 82%
XYZ	42.0974, 55.5460, 8.5023
YIQ	177.1010, 50.9970, -70.7230

Conversions

Conversions Part 2

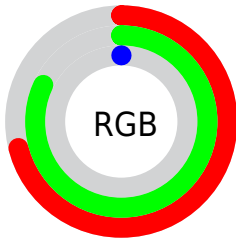
Format	Color
RYB	0, 209, 27
Decimal	11981056
CIELab	79.35, -29.88, 78.92
CIELCh	79, 84.387, 110.737
Yxy	55.5460, 0.3966, 0.5233
Android (android.graphics.Color)	4290171136 (0xFFB6D100)
YUV	177.1010, -87.3108, 4.2964
Hunter-Lab	74.5292, -29.6015, 45.4066

Details

The Yxy color **55.5460, 0.3966, 0.5233** 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 **4.8363, 0.1545, 0.0625**, and the grayscale version is **44.4750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0531, 0.3951, 0.4860**, and **27.7278, 0.3848, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **55.5483, 0.3966, 0.5233**, and if you desaturate by 10%, it is **55.9339, 0.3968, 0.5177**.

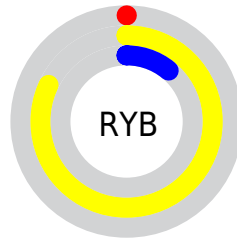
Distribution



Red (71%)

Green (82%)

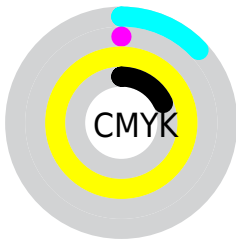
Blue (0%)



Red (0%)

Yellow (82%)

Blue (11%)

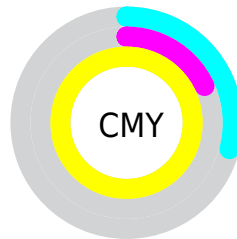


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (29%)


Magenta (18%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5460, 0.3966, 0.5233 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 55.5460, 0.3966, 0.5233 by changing the saturation by 10% instead.


 55.5460, 0.3966,
0.5233


 55.5460, 0.3966,
0.5233

407.9783, 0.3666,
0.4324


 39.8390, 0.3994,
0.5418


 98.3405, 0.3891,
0.4931


 27.4131, 0.4003,
0.5626


 126.1968, 0.3853,
0.4808

 17.8837, 0.3987,
0.5872


 158.8716, 0.3816,
0.4701

 10.8665, 0.3888,
0.6112

 196.7495, 0.3781,
0.4606

 5.9771, 0.3662,
0.6338

 240.2147, 0.3749,
0.4523

 2.8312, 0.3306,
0.6694

 289.6516, 0.3719,

 1.0442, 0.1962,

0.4449

0.8038

345.4447, 0.3691,
0.4383

■ 0.0000, 0.0000,
0.0000

■ 55.5460, 0.3966,
0.5233

■ 55.5460, 0.3966,
0.5233

■ 55.5483, 0.3966,
0.5233

■ 55.9339, 0.3968,
0.5177

■ 56.3839, 0.3949,
0.5082

■ 56.9181, 0.3904,
0.4943

■ 57.5472, 0.3834,
0.4762

■ 58.2803, 0.3741,
0.4546

■ 59.1254, 0.3632,
0.4306

■ 60.0894, 0.3511,
0.4051

■ 61.1791, 0.3383,
0.3791

■ 62.4003, 0.3254,
0.3536

Harmonies

Analogous

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



55.5460, 0.4810, 0.4590



55.5460, 0.3966, 0.5233



55.5460, 0.2975, 0.5262

Triad

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



55.5460, 0.3966, 0.5233



55.5460, 0.1362, 0.2175



55.5460, 0.4097, 0.2478

Complementary

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



55.5460, 0.3966, 0.5233



4.8363, 0.1545, 0.0625

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.



55.5460, 0.2952, 0.1995



55.5460, 0.3966, 0.5233



55.5460, 0.1539, 0.1791

Square

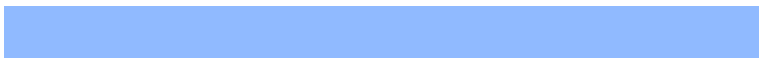
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.5460, 0.3966, 0.5233



55.5460, 0.1520, 0.3032



55.5460, 0.2057, 0.1753



55.5460, 0.5021, 0.3119

Rectangle

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



55.5460, 0.3966, 0.5233



55.5460, 0.2347, 0.4712



55.5460, 0.2057, 0.1753



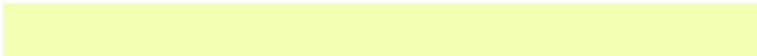
55.5460, 0.3711, 0.2295

Sweetspot

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



55.5485, 0.3966, 0.5233



94.1901, 0.3515, 0.4060



14.2245, 0.6311, 0.3371



20.0181, 0.3568, 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.



55.5485, 0.3966, 0.5233



87.0648, 0.3963, 0.5235



47.3105, 0.3217, 0.5828



13.7170, 0.3246, 0.3521



34.2808, 0.3969, 0.5230



1.9388, 0.4013, 0.5196

Inverse Universe

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



4.8363, 0.1545, 0.0625



7.5417, 0.1540, 0.0622



9.2618, 0.2262, 0.1020



11.4898, 0.3002, 0.3051



3.0057, 0.1552, 0.0629



0.1927, 0.1684, 0.0701

Previews

White Background



This preview shows how the Yxy color 55.5460, 0.3966, 0.5233 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 55.5460, 0.3966, 0.5233 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 55.5460, 0.3966, 0.5233

Background



This preview shows how black text looks on a background with the Yxy color 55.5460, 0.3966, 0.5233.

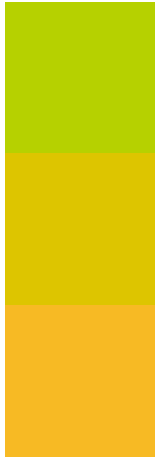


This preview shows how white text looks on a background with the Yxy color 55.5460, 0.3966, 0.5233.

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

55.5460, 0.3966, 0.5233

Protanopia

55.3047, 0.4400, 0.4888

Deuteranopia

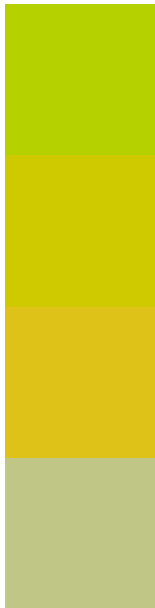
55.0193, 0.4664, 0.4563



Tritanopia

55.2425, 0.3042, 0.3099

Trichromacy



Original Color

55.5460, 0.3966, 0.5233

Protanomaly

55.0387, 0.4245, 0.5012

Deuteranomaly

54.3334, 0.4419, 0.4813

Tritanomaly

53.7745, 0.3554, 0.4114

Monochromacy



Original Color

55.5460, 0.3966, 0.5233

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

47.1712, 0.3629, 0.4305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5460, 0.3966, 0.5233 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(182, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 209, 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(182, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 209, 0) }
```

Border

The CSS property to change the border of an element to Yxy 55.5460, 0.3966, 0.5233 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(182, 209, 0) }
```

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

```
.border{ border-color:rgb(182, 209, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 209, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 209,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5460, 0.3966, 0.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 209, 0) }
```

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

```
.background{ background-color: rgb(182,  
209, 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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