

Converting Colors

Yxy(56.5742, 0.3929, 0.5263)

Have a look what the booklet for
Yxy(56.5742, 0.3929, 0.5263)
contains.

Yxy(56.7903, 0.3927, 0.5264)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7903, 0.3927, 0.5264)

Conversions

Conversions Part 1

Format	Color
Hex	B4D400
RGB	180, 212, 0
RGB Percent	71%, 83%, 0%
CMY	0.2941, 0.1686, 1.0000
CMYK	0.15, 0.00, 1.00, 0.17
HSL	69°, 100%, 42%
HSV	69°, 100%, 83%
XYZ	42.3662, 56.7903, 8.7278
YIQ	178.2640, 48.9800, -72.7160

Conversions

Conversions Part 2

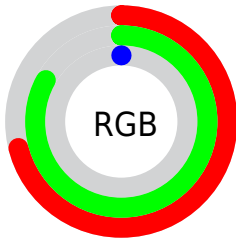
Format	Color
RYB	0, 212, 32
Decimal	11850752
CIELab	80.06, -32.12, 79.39
CIELCh	80, 85.640, 112.026
Yxy	56.7903, 0.3927, 0.5264
Android (android.graphics.Color)	4290040832 (0xFFB4D400)
YUV	178.2640, -87.8842, 1.5225
Hunter-Lab	75.3593, -31.5282, 45.8848

Details

The Yxy color **56.7903, 0.3927, 0.5264** 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 **5.0608, 0.1557, 0.0631**, and the grayscale version is **45.1253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7172, 0.3933, 0.4863**, and **28.2515, 0.3809, 0.5358** is the 20% darker color. If you saturate the color by 10%, you get **56.7929, 0.3927, 0.5264**, and if you desaturate by 10%, it is **57.2363, 0.3933, 0.5204**.

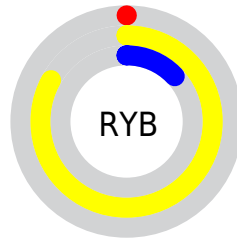
Distribution



Red (71%)

Green (83%)

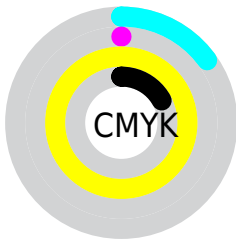
Blue (0%)



Red (0%)

Yellow (83%)

Blue (13%)

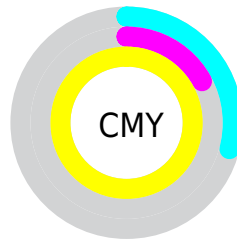


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (29%)


Magenta (17%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7903, 0.3927, 0.5264 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 56.7903, 0.3927, 0.5264 by changing the saturation by 10% instead.


 56.7903, 0.3927,
0.5264

 56.7903, 0.3927,
0.5264


412.6631, 0.3648,
0.4339

 40.8369, 0.3950,
0.5453


 100.1591, 0.3860,
0.4956


 28.1917, 0.3954,
0.5667


 128.3434, 0.3824,
0.4831

 18.4702, 0.3928,
0.5917


 161.3734, 0.3790,
0.4721

 11.2881, 0.3826,
0.6174

 199.6335, 0.3757,
0.4626

 6.2610, 0.3589,
0.6411

 243.5081, 0.3727,
0.4541

 3.0044, 0.3219,
0.6781

 293.3816, 0.3699,

 1.1340, 0.1950,

0.4466

0.8050

349.6385, 0.3672,
0.4399

■ 0.0068, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7903, 0.3927,
0.5264

■ 56.7903, 0.3927,
0.5264

■ 56.7929, 0.3927,
0.5264

■ 57.2363, 0.3933,
0.5204

■ 57.7490, 0.3918,
0.5106

■ 58.3511, 0.3877,
0.4962

■ 59.0537, 0.3811,
0.4776

■ 59.8662, 0.3723,
0.4556

■ 60.7970, 0.3617,
0.4312

■ 61.8533, 0.3500,
0.4055

■ 63.0419, 0.3376,
0.3793

■ 64.3692, 0.3251,
0.3536

Harmonies

Analogous

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



56.7903, 0.4788, 0.4627



56.7903, 0.3927, 0.5264



56.7903, 0.2929, 0.5257

Triad

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



56.7903, 0.3927, 0.5264



56.7903, 0.1353, 0.2142



56.7903, 0.4153, 0.2498

Complementary

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



56.7903, 0.3927, 0.5264



5.0608, 0.1557, 0.0631

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.



56.7903, 0.2997, 0.2004



56.7903, 0.3927, 0.5264



56.7903, 0.1546, 0.1775

Square

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



56.7903, 0.3927, 0.5264



56.7903, 0.1496, 0.2981



56.7903, 0.2081, 0.1750



56.7903, 0.5060, 0.3146

Rectangle

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



56.7903, 0.3927, 0.5264



56.7903, 0.2303, 0.4675



56.7903, 0.2081, 0.1750



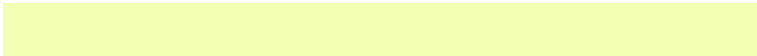
56.7903, 0.3765, 0.2311

Sweetspot

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



56.7929, 0.3927, 0.5264



93.8897, 0.3504, 0.4063



15.0201, 0.6269, 0.3404



19.9454, 0.3555, 0.4174



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.



56.7929, 0.3927, 0.5264



86.1962, 0.3924, 0.5266



48.5533, 0.3182, 0.5856



14.4206, 0.3243, 0.3522



35.0943, 0.3931, 0.5261



2.1431, 0.3979, 0.5223

Inverse Universe

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



5.0608, 0.1557, 0.0631



7.6415, 0.1552, 0.0628



10.1402, 0.2337, 0.1061



12.0978, 0.3005, 0.3051



3.1514, 0.1565, 0.0636



0.2192, 0.1704, 0.0712

Previews

White Background



This preview shows how the Yxy color 56.7903, 0.3927, 0.5264 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 56.7903, 0.3927, 0.5264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

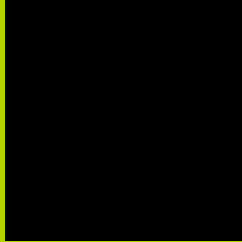
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7903, 0.3927, 0.5264

Background



This preview shows how black text looks on a background with the Yxy color 56.7903, 0.3927, 0.5264.



This preview shows how white text looks on a background with the Yxy color 56.7903, 0.3927, 0.5264.

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

56.7903, 0.3927, 0.5264

Protanopia

56.6941, 0.4407, 0.4883

Deuteranopia

56.4240, 0.4665, 0.4559



Tritanopia

56.6069, 0.3012, 0.3100

Trichromacy



Original Color

56.7903, 0.3927, 0.5264

Protanomaly

56.5956, 0.4227, 0.5026

Deuteranomaly

56.0060, 0.4406, 0.4821

Tritanomaly

55.0950, 0.3522, 0.4124

Monochromacy



Original Color

56.7903, 0.3927, 0.5264

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

47.6029, 0.3625, 0.4316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7903, 0.3927, 0.5264 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(180, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 212, 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(180, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.7903, 0.3927, 0.5264 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(180, 212, 0) }
```

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

```
.border{ border-color:rgb(180, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7903, 0.3927, 0.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 212, 0) }
```

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

```
.background{ background-color: rgb(180,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor