

Converting Colors

Yxy(54.3164, 0.3811, 0.4920)

Have a look what the booklet for
Yxy(54.3164, 0.3811, 0.4920)
contains.

Yxy(54.2881, 0.3806, 0.4920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.2881, 0.3806, 0.4920)

Conversions

Conversions Part 1

Format	Color
Hex	B4CE46
RGB	180, 206, 70
RGB Percent	71%, 81%, 27%
CMY	0.2942, 0.1921, 0.7255
CMYK	0.13, 0.00, 0.66, 0.19
HSL	71°, 58%, 54%
HSV	71°, 66%, 81%
XYZ	41.9960, 54.2881, 14.0575
YIQ	182.7220, 28.1600, -47.8080

Conversions

Conversions Part 2

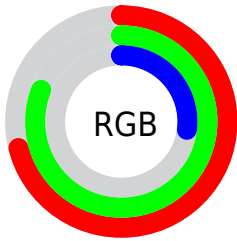
Format	Color
RYB	70, 206, 96
Decimal	11849286
CIELab	78.63, -27.06, 62.07
CIELCh	79, 67.713, 113.555
Yxy	54.2881, 0.3806, 0.4920
Android (android.graphics.Color)	4290039366 (0xFFB4CE46)
YUV	182.7220, -55.5719, -2.3872
Hunter-Lab	73.6805, -27.2002, 40.2644

Details

The Yxy color **54.2881, 0.3806, 0.4920** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **11.3238, 0.2038, 0.1271**, and the grayscale version is **47.4915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1778, 0.3756, 0.4583**, and **26.7416, 0.3876, 0.5304** is the 20% darker color. If you saturate the color by 10%, you get **53.6072, 0.3850, 0.5090**, and if you desaturate by 10%, it is **55.0766, 0.3738, 0.4711**.

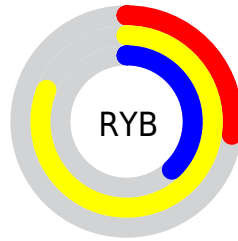
Distribution



Red (71%)

Green (81%)

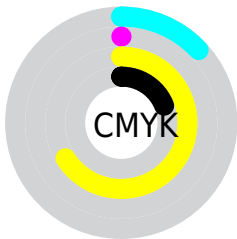
Blue (27%)



Red (27%)

Yellow (81%)

Blue (38%)

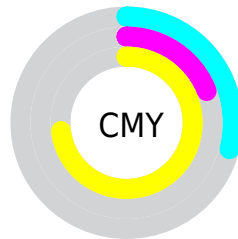


Cyan (13%)

Magenta (0%)

Yellow (66%)

Black (19%)



Cyan (29%)


Magenta (19%)


Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2881, 0.3806, 0.4920 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 54.2881, 0.3806, 0.4920 by changing the saturation by 10% instead.


 54.2881, 0.3806,
0.4920


 54.2881, 0.3806,
0.4920


403.2077, 0.3533,
0.4124


 38.8320, 0.3847,
0.5100


 96.4971, 0.3726,
0.4642


 26.6291, 0.3882,
0.5316


 124.0189, 0.3691,
0.4534


 17.2949, 0.3899,
0.5574


 156.3313, 0.3658,
0.4441

 10.4449, 0.3901,
0.5919

 193.8189, 0.3628,
0.4360

 5.6950, 0.3762,
0.6238

 236.8659, 0.3601,
0.4290

 2.6605, 0.3428,
0.6572

285.8567, 0.3576,

 0.9572, 0.2054,

0.4228

0.7946

341.1759, 0.3554,
0.4173

0.0000, 0.0000,
0.0000

54.2881, 0.3806,
0.4920

54.2881, 0.3806,
0.4920

53.6072, 0.3850,
0.5090

55.0766, 0.3738,
0.4711

53.0168, 0.3869,
0.5215

55.9736, 0.3649,
0.4473

52.5073, 0.3863,
0.5295

56.9890, 0.3546,
0.4217

52.3181, 0.3856,
0.5320

58.1295, 0.3433,
0.3953

59.4013, 0.3315,
0.3691

■ 60.8100, 0.3197,
0.3437

■ 62.3610, 0.3082,
0.3196

■ 64.0593, 0.2972,
0.2972

■ 65.8840, 0.2870,
0.2769

Harmonies

Analogous

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



54.2881, 0.4514, 0.4493



54.2881, 0.3806, 0.4920



54.2881, 0.2967, 0.4798

Triad

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



54.2881, 0.3806, 0.4920



54.2881, 0.1626, 0.2336



54.2881, 0.4006, 0.2666

Complementary

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



54.2881, 0.3806, 0.4920



11.3238, 0.2038, 0.1271

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.



54.2881, 0.3081, 0.2225



54.2881, 0.3806, 0.4920



54.2881, 0.1809, 0.2014

Square

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



54.2881, 0.3806, 0.4920



54.2881, 0.1753, 0.3026



54.2881, 0.2297, 0.1993



54.2881, 0.4711, 0.3241

Rectangle

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



54.2881, 0.3806, 0.4920



54.2881, 0.2442, 0.4323



54.2881, 0.2297, 0.1993



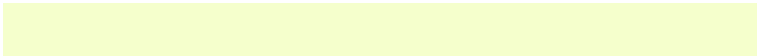
54.2881, 0.3701, 0.2500

Sweetspot

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



54.2906, 0.3806, 0.4920



95.3356, 0.3365, 0.3801



21.7368, 0.5044, 0.3578



20.2811, 0.3398, 0.3876



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.



54.2906, 0.3806, 0.4920



86.4502, 0.3861, 0.5145



48.1043, 0.3275, 0.5252



12.9840, 0.3237, 0.3521



32.2528, 0.3861, 0.5316



1.6925, 0.3930, 0.5262

Inverse Universe

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



11.3238, 0.2038, 0.1271



12.0969, 0.1807, 0.0920



16.6159, 0.2703, 0.1580



10.9456, 0.3012, 0.3052



3.0465, 0.1596, 0.0653



0.1888, 0.1780, 0.0754

Previews

White Background



This preview shows how the Yxy color 54.2881, 0.3806, 0.4920 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 54.2881, 0.3806, 0.4920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

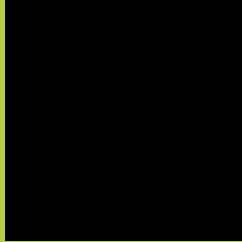
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.2881, 0.3806, 0.4920

Background



This preview shows how black text looks on a background with the Yxy color 54.2881, 0.3806, 0.4920.



This preview shows how white text looks on a background with the Yxy color 54.2881, 0.3806, 0.4920.

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

54.2881, 0.3806, 0.4920

Protanopia

54.1872, 0.4218, 0.4651

Deuteranopia

54.1110, 0.4461, 0.4365



Tritanopia

54.2961, 0.3033, 0.3109

Trichromacy



Original Color

54.2881, 0.3806, 0.4920

Protanomaly

54.1016, 0.4070, 0.4748

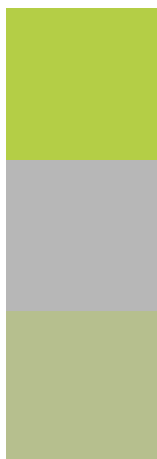
Deuteranomaly

53.6944, 0.4216, 0.4572

Tritanomaly

53.8039, 0.3361, 0.3799

Monochromacy



Original Color

54.2881, 0.3806, 0.4920

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

49.1597, 0.3430, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2881, 0.3806, 0.4920 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, 206, 70)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 70)  
}
```

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, 206, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 70) }
```

Border

The CSS property to change the border of an element to Yxy 54.2881, 0.3806, 0.4920 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, 206, 70) }
```

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

```
.border{ border-color:rgb(180, 206, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 70);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2881, 0.3806, 0.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 70) }
```

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

```
.background{ background-color: rgb(180,  
206, 70) }
```

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