

Converting Colors

$Yxy(52.5640, 0.3679, 0.4731)$

Have a look what the booklet for
Yxy(52.5640, 0.3679, 0.4731)
contains.

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Color

Yxy(52.5640, 0.3679, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	AFCB5A
RGB	175, 203, 90
RGB Percent	69%, 80%, 35%
CMY	0.3138, 0.2039, 0.6470
CMYK	0.14, 0.00, 0.56, 0.20
HSL	75°, 52%, 57%
HSV	75°, 56%, 80%
XYZ	40.8757, 52.5640, 17.6658
YIQ	181.7460, 19.5850, -41.0790

Conversions

Conversions Part 2

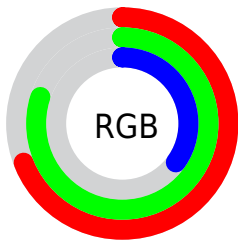
Format	Color
RYB	90, 203, 118
Decimal	11520858
CIELab	77.62, -26.11, 52.33
CIELCh	78, 58.480, 116.520
Yxy	52.5640, 0.3679, 0.4731
Android (android.graphics.Color)	4289710938 (0xFFAFCB5A)
YUV	181.7460, -45.2308, -5.9162
Hunter-Lab	72.5010, -26.2394, 36.3040

Details

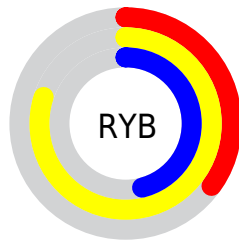
The Yxy color **52.5640, 0.3679, 0.4731** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **15.4816, 0.2289, 0.1617**, and the grayscale version is **46.8752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6590, 0.3623, 0.4439**, and **25.6153, 0.3759, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **51.6945, 0.3738, 0.4953**, and if you desaturate by 10%, it is **53.5543, 0.3600, 0.4482**.

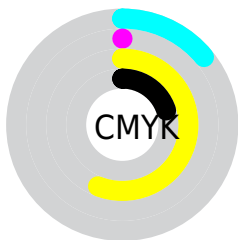
Distribution



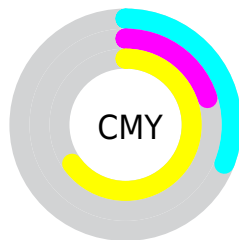
- Red (69%)
- Green (80%)
- Blue (35%)



- Red (35%)
- Yellow (80%)
- Blue (46%)



- Cyan (14%)
- Magenta (0%)
- Yellow (56%)
- Black (20%)





- Cyan (31%)
- Magenta (20%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5640, 0.3679, 0.4731 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 52.5640, 0.3679, 0.4731 by changing the saturation by 10% instead.


 52.5640, 0.3679,
0.4731


 52.5640, 0.3679,
0.4731

396.6101, 0.3448,
0.4012


 37.4548, 0.3718,
0.4902


 93.9625, 0.3608,
0.4474


 25.5598, 0.3756,
0.5113


 121.0206, 0.3577,
0.4376

 16.4946, 0.3785,
0.5377


 152.8305, 0.3550,
0.4293

 9.8748, 0.3786,
0.5708

 189.7765, 0.3525,
0.4221

 5.3161, 0.3777,
0.6223

232.2431, 0.3503,
0.4158

 2.4339, 0.3437,
0.6563

280.6146, 0.3483,

 0.8432, 0.1628,

0.4103

0.8372

335.2755, 0.3464,
0.4055

■ 0.0000, 0.0000,
0.0000

■ 52.5640, 0.3679,
0.4731

■ 52.5640, 0.3679,
0.4731

■ 51.6945, 0.3738,
0.4953

■ 53.5543, 0.3600,
0.4482

■ 50.9307, 0.3773,
0.5136

■ 54.6657, 0.3507,
0.4218

■ 50.2655, 0.3783,
0.5275

■ 55.9070, 0.3404,
0.3948

■ 49.6874, 0.3769,
0.5367

■ 57.2843, 0.3296,
0.3683

■ 49.4542, 0.3758,
0.5398

■ 58.8032, 0.3188,
0.3428

■ 60.4690, 0.3082,
0.3188

■ 62.2867, 0.2980,
0.2966

■ 64.2610, 0.2884,
0.2762

■ 65.2019, 0.2903,
0.2742

Harmonies

Analogous

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



52.5640, 0.4319, 0.4427



52.5640, 0.3679, 0.4731



52.5640, 0.2931, 0.4538

Triad

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



52.5640, 0.3679, 0.4731



52.5640, 0.1786, 0.2413



52.5640, 0.3973, 0.2787

Complementary

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



52.5640, 0.3679, 0.4731



15.4816, 0.2289, 0.1617

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.



52.5640, 0.3172, 0.2370



52.5640, 0.3679, 0.4731



52.5640, 0.1980, 0.2139

Square

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



52.5640, 0.3679, 0.4731



52.5640, 0.1879, 0.2999



52.5640, 0.2454, 0.2139



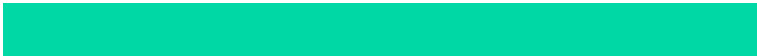
52.5640, 0.4550, 0.3321

Rectangle

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



52.5640, 0.3679, 0.4731



52.5640, 0.2471, 0.4101



52.5640, 0.2454, 0.2139



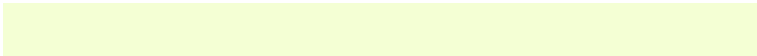
52.5640, 0.3715, 0.2631

Sweetspot

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



52.5664, 0.3679, 0.4731



95.5323, 0.3313, 0.3724



26.0144, 0.4567, 0.3626



20.3449, 0.3335, 0.3778



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.



52.5664, 0.3679, 0.4731



86.2491, 0.3748, 0.4997



47.4593, 0.3238, 0.4963



12.9511, 0.3228, 0.3522



31.5128, 0.3764, 0.5393



1.6600, 0.3852, 0.5324

Inverse Universe

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



15.4816, 0.2289, 0.1617



18.0614, 0.2070, 0.1250



20.4967, 0.2852, 0.1848



10.9762, 0.3020, 0.3053



3.2182, 0.1649, 0.0682



0.2028, 0.1858, 0.0797

Previews

White Background



This preview shows how the Yxy color 52.5640, 0.3679, 0.4731 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 52.5640, 0.3679, 0.4731 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 52.5640, 0.3679, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 52.5640, 0.3679, 0.4731.



This preview shows how white text looks on a background with the Yxy color 52.5640, 0.3679, 0.4731.

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

52.5640, 0.3679, 0.4731

Protanopia

52.3682, 0.4095, 0.4497

Deuteranopia

51.9626, 0.4304, 0.4212



Tritanopia

52.5367, 0.3001, 0.3106

Trichromacy



Original Color

52.5640, 0.3679, 0.4731

Protanomaly

52.3101, 0.3946, 0.4586

Deuteranomaly

51.7812, 0.4067, 0.4399

Tritanomaly

51.9009, 0.3270, 0.3691

Monochromacy



Original Color

52.5640, 0.3679, 0.4731

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.5805, 0.3352, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5640, 0.3679, 0.4731 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(175, 203, 90)` looks like.

```
.text, #text, p{  
    color:rgb(175, 203, 90)  
}
```

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(175, 203, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 203, 90) }
```

Border

The CSS property to change the border of an element to Yxy 52.5640, 0.3679, 0.4731 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(175, 203, 90) }
```

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

```
.border{ border-color:rgb(175, 203, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 203, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 203, 90); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 203, 90); box-shadow:4px 4px 4px 4px rgb(175, 203, 90) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5640, 0.3679, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 203, 90) }
```

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

```
.background{ background-color: rgb(175,  
203, 90) }
```

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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