

Converting Colors

$Yxy(51.8677, 0.3578, 0.4566)$

Have a look what the booklet for
Yxy(51.8677, 0.3578, 0.4566)
contains.

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Color

$\text{Yxy}(52.0112, 0.3576, 0.4577)$

Conversions

Conversions Part 1

Format	Color
Hex	ACCA68
RGB	172, 202, 104
RGB Percent	67%, 79%, 41%
CMY	0.3254, 0.2078, 0.5922
CMYK	0.15, 0.00, 0.49, 0.21
HSL	78°, 48%, 60%
HSV	78°, 49%, 79%
XYZ	40.6362, 52.0112, 20.9886
YIQ	181.8580, 13.5780, -36.8380

Conversions

Conversions Part 2

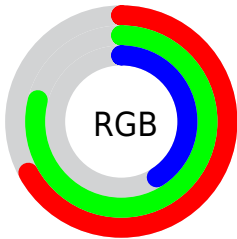
Format	Color
RYB	104, 202, 134
Decimal	11324008
CIELab	77.29, -25.43, 45.31
CIELCh	77, 51.957, 119.305
Yxy	52.0112, 0.3576, 0.4577
Android (android.graphics.Color)	4289514088 (0xFFACCA68)
YUV	181.8580, -38.3840, -8.6455
Hunter-Lab	72.1188, -25.6298, 33.2281

Details

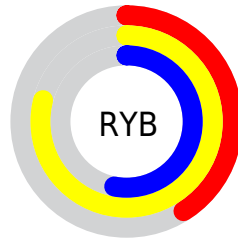
The Yxy color **52.0112, 0.3576, 0.4577** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.2257, 0.2471, 0.1868**, and the grayscale version is **46.9078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6123, 0.3527, 0.4310**, and **25.2884, 0.3649, 0.4934** is the 20% darker color. If you saturate the color by 10%, you get **50.9682, 0.3639, 0.4830**, and if you desaturate by 10%, it is **53.1896, 0.3496, 0.4307**.

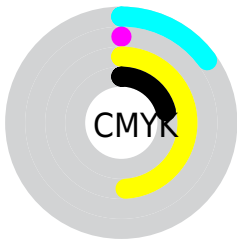
Distribution



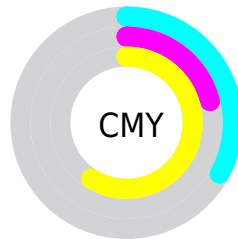
- Red (67%)
- Green (79%)
- Blue (41%)



- Red (41%)
- Yellow (79%)
- Blue (53%)



- Cyan (15%)
- Magenta (0%)
- Yellow (49%)
- Black (21%)



- Cyan (33%)
- Magenta (21%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0112, 0.3576, 0.4577 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 52.0112, 0.3576, 0.4577 by changing the saturation by 10% instead.


 52.0112, 0.3576,
0.4577


 52.0112, 0.3576,
0.4577


394.4798, 0.3384,
0.3928


 37.0140, 0.3611,
0.4736


 93.1478, 0.3515,
0.4342


 25.2183, 0.3647,
0.4935


 120.0559, 0.3490,
0.4254

 16.2398, 0.3679,
0.5191


 151.7032, 0.3467,
0.4179

 9.6940, 0.3693,
0.5524

 188.4739, 0.3447,
0.4114

 5.1965, 0.3744,
0.6113

230.7526, 0.3429,
0.4058

 2.3630, 0.3461,
0.6539

278.9235, 0.3412,

 0.8068, 0.1532,

0.4009

0.8468

333.3711, 0.3397,
0.3966

0.0000, 0.0000,
0.0000

52.0112, 0.3576,
0.4577

52.0112, 0.3576,
0.4577

50.9682, 0.3639,
0.4830

53.1896, 0.3496,
0.4307

50.0461, 0.3682,
0.5053

54.5034, 0.3406,
0.4032

49.2387, 0.3701,
0.5237


55.9611, 0.3309,
0.3760

48.5360, 0.3694,
0.5373

57.5686, 0.3211,
0.3500


47.9226, 0.3665,
0.5464

59.3314, 0.3113,
0.3255

 47.8363, 0.3660,
0.5476

 61.2548, 0.3018,
0.3028

 63.3435, 0.2929,
0.2821

 64.9020, 0.2910,
0.2733

 65.8920, 0.2954,
0.2740

Harmonies

Analogous

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



52.0112, 0.4165, 0.4362



52.0112, 0.3576, 0.4577



52.0112, 0.2900, 0.4345

Triad

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



52.0112, 0.3576, 0.4577



52.0112, 0.1914, 0.2472



52.0112, 0.3944, 0.2882

Complementary

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



52.0112, 0.3576, 0.4577



19.2257, 0.2471, 0.1868

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.



52.0112, 0.3239, 0.2484



52.0112, 0.3576, 0.4577



52.0112, 0.2118, 0.2238

Square

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



52.0112, 0.3576, 0.4577



52.0112, 0.1979, 0.2980



52.0112, 0.2576, 0.2255



52.0112, 0.4425, 0.3379

Rectangle

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



52.0112, 0.3576, 0.4577



52.0112, 0.2493, 0.3942



52.0112, 0.2576, 0.2255



52.0112, 0.3720, 0.2734

Sweetspot

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



52.0135, 0.3576, 0.4577



95.6256, 0.3277, 0.3673



30.4367, 0.4261, 0.3674



20.3466, 0.3298, 0.3729



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.



52.0135, 0.3576, 0.4577



86.2525, 0.3641, 0.4836



47.4939, 0.3189, 0.4752



12.9179, 0.3219, 0.3522



30.8311, 0.3667, 0.5470



1.6292, 0.3773, 0.5386

Inverse Universe

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



19.2257, 0.2471, 0.1868



24.4629, 0.2296, 0.1546



24.1545, 0.2970, 0.2050



11.0075, 0.3029, 0.3054



3.4396, 0.1716, 0.0719



0.2175, 0.1936, 0.0840

Previews

White Background



This preview shows how the Yxy color 52.0112, 0.3576, 0.4577 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 52.0112, 0.3576, 0.4577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

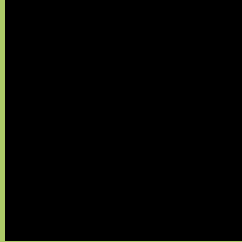
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0112, 0.3576, 0.4577

Background



This preview shows how black text looks on a background with the Yxy color 52.0112, 0.3576, 0.4577.



This preview shows how white text looks on a background with the Yxy color 52.0112, 0.3576, 0.4577.

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

52.0112, 0.3576, 0.4577

Protanopia

51.8833, 0.3994, 0.4361

Deuteranopia

51.7158, 0.4183, 0.4099



Tritanopia

52.0321, 0.2970, 0.3104

Trichromacy



Original Color

52.0112, 0.3576, 0.4577

Protanomaly

51.7056, 0.3838, 0.4447

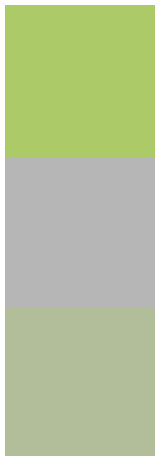
Deuteranomaly

51.1584, 0.3957, 0.4268

Tritanomaly

51.5981, 0.3200, 0.3629

Monochromacy



Original Color

52.0112, 0.3576, 0.4577

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.1933, 0.3306, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0112, 0.3576, 0.4577 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(172, 202, 104)` looks like.

```
.text, #text, p{  
    color:rgb(172, 202, 104)  
}
```

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(172, 202, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 202, 104) }
```

Border

The CSS property to change the border of an element to Yxy 52.0112, 0.3576, 0.4577 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(172, 202, 104) }
```

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

```
.border{ border-color:rgb(172, 202, 104) }
```

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

Here you see how a box with a 4 pixel rgb(172, 202, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 202, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 202, 104);  
box-shadow:4px 4px 4px 4px rgb(172, 202,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0112, 0.3576, 0.4577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 202, 104) }
```

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

```
.background{ background-color: rgb(172,  
202, 104) }
```

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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