

Converting Colors

$Yxy(57.2234, 0.3543, 0.4548)$

Have a look what the booklet for
Yxy(57.2234, 0.3543, 0.4548)
contains.

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Color

Yxy(57.2234, 0.3543, 0.4548)

Conversions

Conversions Part 1

Format	Color
Hex	B2D370
RGB	178, 211, 112
RGB Percent	70%, 83%, 44%
CMY	0.3020, 0.1725, 0.5608
CMYK	0.16, 0.00, 0.47, 0.17
HSL	80°, 53%, 63%
HSV	80°, 47%, 83%
XYZ	44.5784, 57.2234, 24.0192
YIQ	189.8470, 12.1110, -37.7850

Conversions

Conversions Part 2

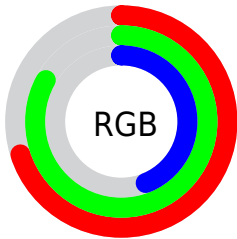
Format	Color
R_{YB}	112, 211, 145
Decimal	11719536
CIE _{Lab}	80.31, -26.63, 45.20
CIE _{LCh}	80, 52.460, 120.507
Y _{xy}	57.2234, 0.3543, 0.4548
Android (android.graphics.Color)	4289909616 (0xFFB2D370)
YUV	189.8470, -38.3786, -10.3898
Hunter-Lab	75.6461, -27.1904, 34.1265

Details

The Yxy color **57.2234, 0.3543, 0.4548** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.3067, 0.2521, 0.1924**, and the grayscale version is **51.6202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9353, 0.3518, 0.4205**, and **28.3248, 0.3603, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **55.9990, 0.3604, 0.4810**, and if you desaturate by 10%, it is **58.6056, 0.3466, 0.4272**.

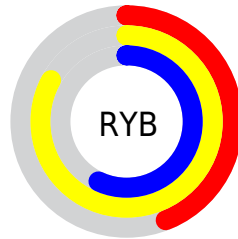
Distribution



Red (70%)

Green (83%)

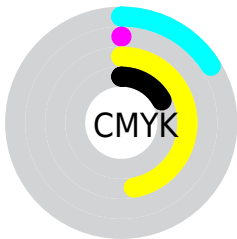
Blue (44%)



Red (44%)

Yellow (83%)

Blue (57%)

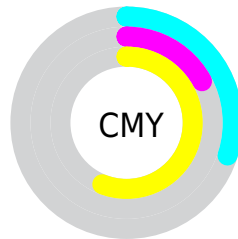


Cyan (16%)

Magenta (0%)

Yellow (47%)

Black (17%)



Cyan (30%)


Magenta (17%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2234, 0.3543, 0.4548 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 57.2234, 0.3543, 0.4548 by changing the saturation by 10% instead.


 57.2234, 0.3543,
0.4548


 57.2234, 0.3543,
0.4548


414.2859, 0.3369,
0.3922


 41.1846, 0.3574,
0.4699


 100.7911, 0.3489,
0.4323


 28.4634, 0.3606,
0.4888


 129.0888, 0.3466,
0.4238

 18.6753, 0.3636,
0.5130


 162.2416, 0.3445,
0.4165

 11.4359, 0.3651,
0.5444

 200.6339, 0.3426,
0.4103

 6.3608, 0.3647,
0.5896

244.6501, 0.3410,
0.4049

 3.0657, 0.3520,
0.6480

294.6745, 0.3395,

 1.1661, 0.2713,

0.4001

0.7287

351.0917, 0.3381,
0.3959

■ 0.0338, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2234, 0.3543,
0.4548

■ 57.2234, 0.3543,
0.4548

■ 55.9990, 0.3604,
0.4810

■ 58.6056, 0.3466,
0.4272

■ 54.9164, 0.3646,
0.5044

■ 60.1458, 0.3379,
0.3993


■ 53.9687, 0.3663,
0.5240

■ 61.8535, 0.3287,
0.3720

■ 53.1449, 0.3656,
0.5388

■ 63.7352, 0.3192,
0.3460

 52.4306, 0.3625,
0.5488

 65.7973, 0.3099,
0.3217

 52.2258, 0.3613,
0.5513

 68.0455, 0.3009,
0.2994

 70.1798, 0.2952,
0.2835

 71.3485, 0.3001,
0.2841

 72.5644, 0.3050,
0.2848

Harmonies

Analogous

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



57.2234, 0.4126, 0.4356



57.2234, 0.3543, 0.4548



57.2234, 0.2881, 0.4300

Triad

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



57.2234, 0.3543, 0.4548



57.2234, 0.1940, 0.2475



57.2234, 0.3951, 0.2909

Complementary

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



57.2234, 0.3543, 0.4548



22.3067, 0.2521, 0.1924

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.



57.2234, 0.3266, 0.2513



57.2234, 0.3543, 0.4548



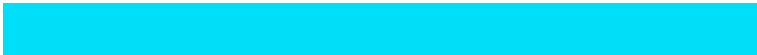
57.2234, 0.2150, 0.2255

Square

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



57.2234, 0.3543, 0.4548



57.2234, 0.1994, 0.2964



57.2234, 0.2611, 0.2279



57.2234, 0.4407, 0.3401

Rectangle

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



57.2234, 0.3543, 0.4548



57.2234, 0.2486, 0.3899



57.2234, 0.2611, 0.2279



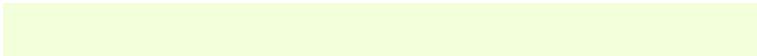
57.2234, 0.3735, 0.2762

Sweetspot

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



57.2259, 0.3543, 0.4548



95.7230, 0.3260, 0.3647



34.7665, 0.4203, 0.3684



20.3580, 0.3281, 0.3704



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.



57.2259, 0.3543, 0.4548



86.0181, 0.3603, 0.4801



52.5175, 0.3177, 0.4708



13.5921, 0.3215, 0.3523



31.5744, 0.3622, 0.5506



1.8078, 0.3729, 0.5421

Inverse Universe

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



22.3067, 0.2521, 0.1924



26.3050, 0.2361, 0.1621



27.6060, 0.2993, 0.2092



11.6064, 0.3033, 0.3053



3.6818, 0.1751, 0.0738



0.2489, 0.1959, 0.0853

Previews

White Background



This preview shows how the Yxy color 57.2234, 0.3543, 0.4548 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 57.2234, 0.3543, 0.4548 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 57.2234, 0.3543, 0.4548

Background



This preview shows how black text looks on a background with the Yxy color 57.2234, 0.3543, 0.4548.



This preview shows how white text looks on a background with the Yxy color 57.2234, 0.3543, 0.4548.

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

57.2234, 0.3543, 0.4548

Protanopia

56.9896, 0.3973, 0.4325

Deuteranopia

56.8120, 0.4152, 0.4074



Tritanopia

56.8295, 0.2954, 0.3099

Trichromacy



Original Color

57.2234, 0.3543, 0.4548

Protanomaly

56.6534, 0.3815, 0.4409

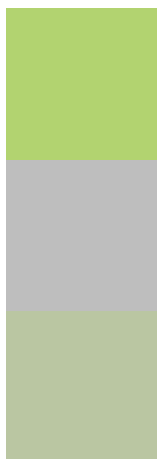
Deuteranomaly

56.5314, 0.3922, 0.4247

Tritanomaly

56.3653, 0.3174, 0.3604

Monochromacy



Original Color

57.2234, 0.3543, 0.4548

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.4359, 0.3298, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2234, 0.3543, 0.4548 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(178, 211, 112)` looks like.

```
.text, #text, p{  
    color:rgb(178, 211, 112)  
}
```

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(178, 211, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 211, 112) }
```

Border

The CSS property to change the border of an element to Yxy 57.2234, 0.3543, 0.4548 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(178, 211, 112) }
```

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

```
.border{ border-color:rgb(178, 211, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 211, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 211, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 211, 112);  
box-shadow:4px 4px 4px 4px rgb(178, 211,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2234, 0.3543, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 211, 112) }
```

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

```
.background{ background-color: rgb(178,  
211, 112) }
```

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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