

Converting Colors

$Yxy(59.5773, 0.3589, 0.4551)$

Have a look what the booklet for
Yxy(59.5773, 0.3589, 0.4551)
contains.

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Color

Yxy(59.5773, 0.3589, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	B9D670
RGB	185, 214, 112
RGB Percent	73%, 84%, 44%
CMY	0.2744, 0.1608, 0.5608
CMYK	0.14, 0.00, 0.48, 0.16
HSL	77°, 55%, 64%
HSV	77°, 48%, 84%
XYZ	46.9837, 59.5773, 24.3493
YIQ	193.7010, 15.4580, -37.8700

Conversions

Conversions Part 2

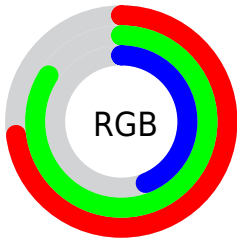
Format	Color
R_{YB}	112, 214, 141
Decimal	12179056
CIE _{Lab}	81.61, -25.38, 46.89
CIE _{LCh}	82, 53.322, 118.425
Yxy	59.5773, 0.3589, 0.4551
Android (android.graphics.Color)	4290369136 (0xFFB9D670)
YUV	193.7010, -40.2786, -7.6308
Hunter-Lab	77.1863, -26.4222, 35.3267

Details

The Yxy color **59.5773, 0.3589, 0.4551** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.1007, 0.2463, 0.1883**, and the grayscale version is **54.0022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3279, 0.3572, 0.4188**, and **29.8683, 0.3667, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **58.4187, 0.3658, 0.4802**, and if you desaturate by 10%, it is **60.8868, 0.3504, 0.4283**.

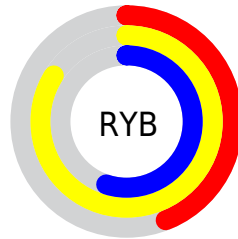
Distribution



Red (73%)

Green (84%)

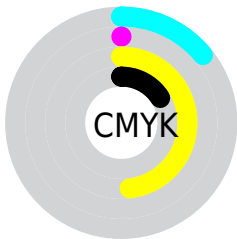
Blue (44%)



Red (44%)

Yellow (84%)

Blue (55%)

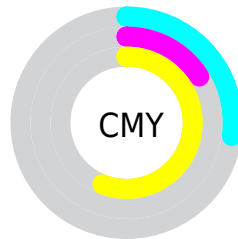


Cyan (14%)

Magenta (0%)

Yellow (48%)

Black (16%)



Cyan (27%)


Magenta (16%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5773, 0.3589, 0.4551 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 59.5773, 0.3589, 0.4551 by changing the saturation by 10% instead.

 59.5773, 0.3589,
0.4551

 59.5773, 0.3589,
0.4551


423.0380, 0.3395,
0.3930

 43.0780, 0.3624,
0.4698


 104.2162, 0.3528,
0.4330


 29.9463, 0.3662,
0.4882


 133.1247, 0.3502,
0.4246

 19.7979, 0.3698,
0.5113


 166.9383, 0.3479,
0.4174

 12.2482, 0.3722,
0.5411

 206.0415, 0.3459,
0.4111

 6.9129, 0.3726,
0.5826

250.8187, 0.3440,
0.4057

 3.4077, 0.3632,
0.6368

301.6542, 0.3423,

 1.3481, 0.3086,

0.4010

0.6914

358.9325, 0.3408,
0.3968

■ 0.1780, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5773, 0.3589,
0.4551

■ 59.5773, 0.3589,
0.4551

■ 58.4187, 0.3658,
0.4802

■ 60.8868, 0.3504,
0.4283

■ 57.3944, 0.3706,
0.5024

■ 62.3471, 0.3409,
0.4009


■ 56.4975, 0.3729,
0.5207

■ 63.9677, 0.3308,
0.3738

■ 55.7167, 0.3728,
0.5342


■ 65.7554, 0.3205,
0.3479

 55.0366, 0.3702,
0.5430

 67.7164, 0.3104,
0.3235

 54.8866, 0.3695,
0.5448

 69.8565, 0.3006,
0.3008

 71.7361, 0.2955,
0.2867

 72.7451, 0.2997,
0.2872

 73.7894, 0.3039,
0.2877

Harmonies

Analogous

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



59.5773, 0.4162, 0.4333



59.5773, 0.3589, 0.4551



59.5773, 0.2925, 0.4336

Triad

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



59.5773, 0.3589, 0.4551



59.5773, 0.1932, 0.2498



59.5773, 0.3910, 0.2876

Complementary

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



59.5773, 0.3589, 0.4551



22.1007, 0.2463, 0.1883

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.



59.5773, 0.3217, 0.2489



59.5773, 0.3589, 0.4551



59.5773, 0.2125, 0.2259

Square

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



59.5773, 0.3589, 0.4551



59.5773, 0.2005, 0.3006



59.5773, 0.2570, 0.2268



59.5773, 0.4391, 0.3365

Rectangle

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



59.5773, 0.3589, 0.4551



59.5773, 0.2521, 0.3948



59.5773, 0.2570, 0.2268



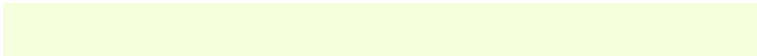
59.5773, 0.3689, 0.2732

Sweetspot

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



59.5800, 0.3589, 0.4551



96.0379, 0.3272, 0.3645



34.4840, 0.4250, 0.3649



20.4351, 0.3294, 0.3703



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.



59.5800, 0.3589, 0.4551



86.8927, 0.3657, 0.4800



54.3379, 0.3201, 0.4724



14.3345, 0.3223, 0.3523



33.2310, 0.3702, 0.5442



2.0452, 0.3790, 0.5372

Inverse Universe

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



22.1007, 0.2463, 0.1883



24.8688, 0.2290, 0.1567



27.6345, 0.2955, 0.2060



12.1777, 0.3025, 0.3052



3.5756, 0.1687, 0.0703



0.2574, 0.1874, 0.0806

Previews

White Background



This preview shows how the Yxy color 59.5773, 0.3589, 0.4551 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 59.5773, 0.3589, 0.4551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

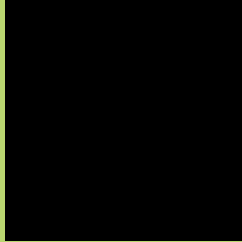
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.5773, 0.3589, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 59.5773, 0.3589, 0.4551.



This preview shows how white text looks on a background with the Yxy color 59.5773, 0.3589, 0.4551.

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

59.5773, 0.3589, 0.4551

Protanopia

59.4826, 0.3984, 0.4349

Deuteranopia

59.0171, 0.4177, 0.4089



Tritanopia

59.3088, 0.2985, 0.3103

Trichromacy



Original Color

59.5773, 0.3589, 0.4551

Protanomaly

59.2851, 0.3838, 0.4429

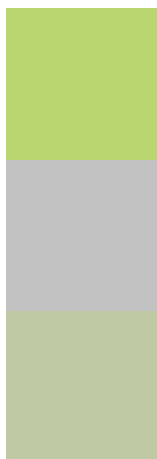
Deuteranomaly

58.8584, 0.3957, 0.4257

Tritanomaly

58.7347, 0.3219, 0.3622

Monochromacy



Original Color

59.5773, 0.3589, 0.4551

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.5300, 0.3319, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5773, 0.3589, 0.4551 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(185, 214, 112)` looks like.

```
.text, #text, p{  
    color:rgb(185, 214, 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(185, 214, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 214, 112) }
```

Border

The CSS property to change the border of an element to Yxy 59.5773, 0.3589, 0.4551 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(185, 214, 112) }
```

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

```
.border{ border-color:rgb(185, 214, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 214, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 214, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 214, 112);  
box-shadow:4px 4px 4px 4px rgb(185, 214,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5773, 0.3589, 0.4551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 214, 112) }
```

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

```
.background{ background-color: rgb(185,  
214, 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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