

Converting Colors

Yxy(55.8926, 0.3564, 0.4594)

Have a look what the booklet for
Yxy(55.8926, 0.3564, 0.4594)
contains.

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Color

Yxy(55.8926, 0.3564, 0.4594)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B0D16B |
| RGB | 176, 209, 107 |
| RGB Percent | 69%, 82%, 42% |
| CMY | 0.3097, 0.1804, 0.5804 |
| CMYK | 0.16, 0.00, 0.49, 0.18 |
| HSL | 79°, 53%, 62% |
| HSV | 79°, 49%, 82% |
| XYZ | 43.3612, 55.8926, 22.4106 |
| YIQ | 187.5050, 13.0740, -38.7180 |

Conversions

Conversions Part 2

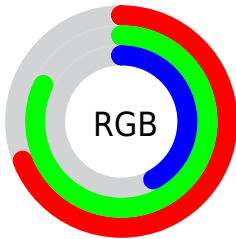
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 107, 209, 140 |
| Decimal | 11587947 |
| CIE Lab | 79.55, -26.96, 46.66 |
| CIE LCh | 80, 53.888, 120.015 |
| Yxy | 55.8926, 0.3564, 0.4594 |
| Android (android.graphics.Color) | 4289778027 (0xFFB0D16B) |
| YUV | 187.5050, -39.6890, -10.0899 |
| Hunter-Lab | 74.7614, -27.3034, 34.5601 |

Details

The Yxy color **55.8926, 0.3564, 0.4594** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.6915, 0.2482, 0.1862**, and the grayscale version is **50.2200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3817, 0.3538, 0.4270**, and **27.4617, 0.3625, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **54.7386, 0.3624, 0.4850**, and if you desaturate by 10%, it is **57.1971, 0.3488, 0.4321**.

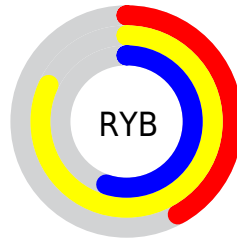
Distribution



Red (69%)

Green (82%)

Blue (42%)



Red (42%)

Yellow (82%)

Blue (55%)

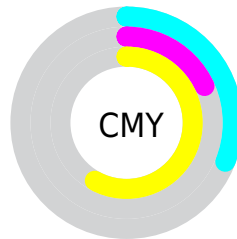


Cyan (16%)

Magenta (0%)

Yellow (49%)

Black (18%)



Cyan (31%)


Magenta (18%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8926, 0.3564, 0.4594 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 55.8926, 0.3564, 0.4594 by changing the saturation by 10% instead.

 55.8926, 0.3564,
0.4594

 55.8926, 0.3564,
0.4594

409.2866, 0.3381,
0.3943

 40.1168, 0.3596,
0.4751


 98.8475, 0.3507,
0.4360

 27.6296, 0.3629,
0.4947

 126.7955, 0.3483,
0.4272

 18.0467, 0.3657,
0.5198


 159.5696, 0.3461,
0.4196

 10.9835, 0.3668,
0.5521

 197.5543, 0.3442,
0.4131

 6.0557, 0.3677,
0.6025

241.1339, 0.3424,
0.4075

 2.8790, 0.3472,
0.6528

290.6929, 0.3409,

 1.0689, 0.2451,

0.4026

0.7549

346.6157, 0.3394,
0.3982

■ 0.0000, 0.0000,
0.0000

■ 55.8926, 0.3564,
0.4594

■ 55.8926, 0.3564,
0.4594

■ 54.7386, 0.3624,
0.4850

■ 57.1971, 0.3488,
0.4321

■ 53.7194, 0.3662,
0.5076

■ 58.6521, 0.3401,
0.4044

■ 52.8279, 0.3677,
0.5261


■ 60.2673, 0.3307,
0.3770


■ 52.0531, 0.3666,
0.5399

■ 62.0489, 0.3211,
0.3508

■ 51.3778, 0.3634,
0.5490


■ 64.0032, 0.3116,
0.3262

 51.3011, 0.3630,
0.5500

 66.1357, 0.3024,
0.3034

 68.4520, 0.2936,
0.2826

 69.6584, 0.2972,
0.2816

 70.7989, 0.3019,
0.2823

Harmonies

Analogous

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



55.8926, 0.4164, 0.4382



55.8926, 0.3564, 0.4594



55.8926, 0.2881, 0.4348

Triad

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



55.8926, 0.3564, 0.4594



55.8926, 0.1903, 0.2453



55.8926, 0.3969, 0.2888

Complementary

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



55.8926, 0.3564, 0.4594



20.6915, 0.2482, 0.1862

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.



55.8926, 0.3257, 0.2484



55.8926, 0.3564, 0.4594



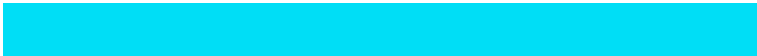
55.8926, 0.2115, 0.2224

Square

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



55.8926, 0.3564, 0.4594



55.8926, 0.1962, 0.2960



55.8926, 0.2583, 0.2247



55.8926, 0.4448, 0.3392

Rectangle

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



55.8926, 0.3564, 0.4594



55.8926, 0.2472, 0.3934



55.8926, 0.2583, 0.2247



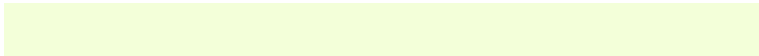
55.8926, 0.3744, 0.2738

Sweetspot

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



55.8951, 0.3564, 0.4594



95.5059, 0.3272, 0.3673



33.1682, 0.4262, 0.3698



20.3176, 0.3293, 0.3730



0.0000, 0.0000, 0.0000



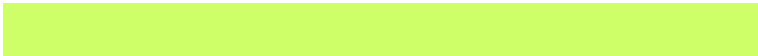
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8951, 0.3564, 0.4594



85.7026, 0.3628, 0.4871



51.0756, 0.3177, 0.4771



13.5981, 0.3217, 0.3523



31.6854, 0.3638, 0.5494



1.8134, 0.3742, 0.5411

Inverse Universe

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



20.6915, 0.2482, 0.1862



24.0235, 0.2299, 0.1524



26.1036, 0.2986, 0.2047



11.6006, 0.3032, 0.3053



3.6344, 0.1738, 0.0731



0.2457, 0.1945, 0.0845

Previews

White Background



This preview shows how the Yxy color 55.8926, 0.3564, 0.4594 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 55.8926, 0.3564, 0.4594 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 55.8926, 0.3564, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 55.8926, 0.3564, 0.4594.



This preview shows how white text looks on a background with the Yxy color 55.8926, 0.3564, 0.4594.

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

55.8926, 0.3564, 0.4594

Protanopia

55.6635, 0.4000, 0.4363

Deuteranopia

55.6616, 0.4193, 0.4105



Tritanopia

55.6838, 0.2960, 0.3097

Trichromacy



Original Color

55.8926, 0.3564, 0.4594

Protanomaly

55.3293, 0.3840, 0.4450

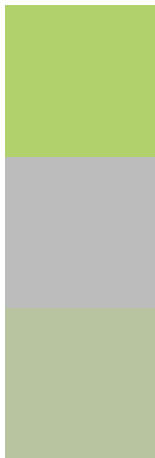
Deuteranomaly

55.3574, 0.3958, 0.4282

Tritanomaly

55.1436, 0.3197, 0.3632

Monochromacy



Original Color

55.8926, 0.3564, 0.4594

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.1734, 0.3307, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8926, 0.3564, 0.4594 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(176, 209, 107)` looks like.

```
.text, #text, p{  
    color:rgb(176, 209, 107)  
}
```

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(176, 209, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 209, 107) }
```

Border

The CSS property to change the border of an element to Yxy 55.8926, 0.3564, 0.4594 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(176, 209, 107) }
```

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

```
.border{ border-color:rgb(176, 209, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 209, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 209, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 209, 107);  
box-shadow:4px 4px 4px 4px rgb(176, 209,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8926, 0.3564, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 209, 107) }
```

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

```
.background{ background-color: rgb(176,  
209, 107) }
```

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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