

Converting Colors

$Y_{xy}(35.3880, 0.3119, 0.4820)$

Have a look what the booklet for
Yxy(35.3880, 0.3119, 0.4820)
contains.

Yxy(35.5581, 0.3119, 0.4830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.5581, 0.3119, 0.4830)

Conversions

Conversions Part 1

Format	Color
Hex	62B359
RGB	98, 179, 89
RGB Percent	38%, 70%, 35%
CMY	0.6156, 0.2980, 0.6511
CMYK	0.45, 0.00, 0.50, 0.30
HSL	114°, 37%, 53%
HSV	114°, 50%, 70%
XYZ	22.9618, 35.5581, 15.0993
YIQ	144.5210, -19.3860, -45.1620

Conversions

Conversions Part 2

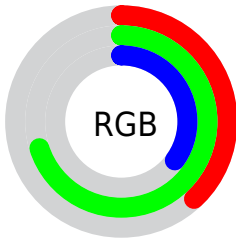
Format	Color
RYB	89, 179, 170
Decimal	6468441
CIELab	66.18, -42.82, 38.17
CIELCh	66, 57.365, 138.288
Yxy	35.5581, 0.3119, 0.4830
Android (android.graphics.Color)	4284658521 (0xFF62B359)
YUV	144.5210, -27.3719, -40.7989
Hunter-Lab	59.6306, -35.6189, 26.7284

Details

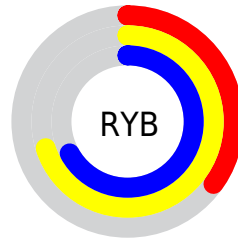
The Yxy color **35.5581, 0.3119, 0.4830** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.9365, 0.3072, 0.2058**, and the grayscale version is **28.2324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1121, 0.3143, 0.4493**, and **15.2918, 0.3036, 0.5379** is the 20% darker color. If you saturate the color by 10%, you get **34.4870, 0.3106, 0.5166**, and if you desaturate by 10%, it is **36.8855, 0.3128, 0.4485**.

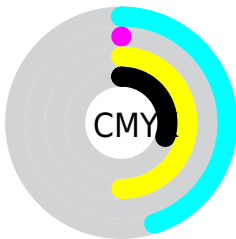
Distribution



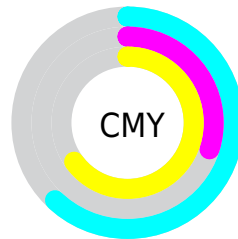
- Red (38%)
- Green (70%)
- Blue (35%)



- Red (35%)
- Yellow (70%)
- Blue (67%)



- Cyan (45%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)





- Cyan (62%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5581, 0.3119, 0.4830 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 35.5581, 0.3119, 0.4830 by changing the saturation by 10% instead.


 35.5581, 0.3119,
0.4830


 35.5581, 0.3119,
0.4830


327.0249, 0.3161,
0.3975

 24.0931, 0.3090,
0.5070


 68.3495, 0.3146,
0.4499

 15.4027, 0.3040,
0.5392


 90.4446, 0.3153,
0.4381

 9.1025, 0.2946,
0.5841


 116.8519, 0.3157,
0.4283

 4.8081, 0.2783,
0.6553

 147.9558, 0.3159,
0.4201

 2.1351, 0.2354,
0.7646

184.1407, 0.3160,
0.4132

 0.6843, 0.0000,
1.0000

225.7909, 0.3161,

 0.0000, 0.0000,

0.4072

0.0000

273.2908, 0.3161,
0.4020

■ 35.5581, 0.3119,
0.4830

■ 35.5581, 0.3119,
0.4830

■ 34.4870, 0.3106,
0.5166

■ 36.8855, 0.3128,
0.4485

■ 33.6514, 0.3088,
0.5468

■ 38.4795, 0.3132,
0.4149

■ 33.0346, 0.3066,
0.5714

■ 40.3552, 0.3133,
0.3835

■ 32.6158, 0.3043,
0.5883

■ 42.5254, 0.3131,
0.3550

■ 32.3689, 0.3024,
0.5981

■ 45.0020, 0.3127,
0.3297

■ 47.7964, 0.3122,
0.3075

■ 50.9191, 0.3117,
0.2881

■ 54.3805, 0.3111,
0.2714

■ 58.1903, 0.3104,
0.2569

Harmonies

Analogous

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



35.5581, 0.3933, 0.4838



35.5581, 0.3119, 0.4830



35.5581, 0.2351, 0.4153

Triad

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



35.5581, 0.3119, 0.4830



35.5581, 0.1782, 0.2073



35.5581, 0.4585, 0.3141

Complementary

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



35.5581, 0.3119, 0.4830



18.9365, 0.3072, 0.2058

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.



35.5581, 0.3831, 0.2592



35.5581, 0.3119, 0.4830



35.5581, 0.2209, 0.2003

Square

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



35.5581, 0.3119, 0.4830



35.5581, 0.1655, 0.2451



35.5581, 0.2932, 0.2190



35.5581, 0.4854, 0.3757

Rectangle

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



35.5581, 0.3119, 0.4830



35.5581, 0.1972, 0.3504



35.5581, 0.2932, 0.2190



35.5581, 0.4374, 0.2947

Sweetspot

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



35.5596, 0.3119, 0.4830



74.1655, 0.3132, 0.3688



38.4941, 0.3917, 0.4372



16.2544, 0.3132, 0.3748



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.5596, 0.3119, 0.4830



61.6430, 0.3105, 0.5189



35.8055, 0.2832, 0.4252



9.5296, 0.3131, 0.3524



22.8873, 0.3028, 0.5978



0.7334, 0.3137, 0.5891

Inverse Universe

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



18.9365, 0.3072, 0.2058



28.5396, 0.3052, 0.1837



18.7538, 0.3643, 0.2509



8.6025, 0.3122, 0.3064



7.6706, 0.2961, 0.1405



0.2538, 0.3035, 0.1445

Previews

White Background



This preview shows how the Yxy color 35.5581, 0.3119, 0.4830 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 35.5581, 0.3119, 0.4830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

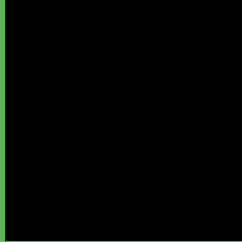
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.5581, 0.3119, 0.4830

Background



This preview shows how black text looks on a background with the Yxy color 35.5581, 0.3119, 0.4830.



This preview shows how white text looks on a background with the Yxy color 35.5581, 0.3119, 0.4830.

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

35.5581, 0.3119, 0.4830

Protanopia

35.1133, 0.4001, 0.4354

Deuteranopia

35.0963, 0.4119, 0.4043



Tritanopia

35.4663, 0.2598, 0.3089

Trichromacy



Original Color

35.5581, 0.3119, 0.4830



Protanomaly

34.5892, 0.3637, 0.4547



Deuteranomaly

34.0019, 0.3715, 0.4327



Tritanomaly

35.2765, 0.2791, 0.3702

Monochromacy



Original Color

35.5581, 0.3119, 0.4830



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.1838, 0.3131, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5581, 0.3119, 0.4830 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(98, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(98, 179, 89)  
}
```

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(98, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 179, 89) }
```

Border

The CSS property to change the border of an element to Yxy 35.5581, 0.3119, 0.4830 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(98, 179, 89) }
```

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

```
.border{ border-color:rgb(98, 179, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(98, 179,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5581, 0.3119, 0.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 179, 89) }
```

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

```
.background{ background-color: rgb(98, 179,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor