

Converting Colors

$Yxy(35.8031, 0.3131, 0.4534)$

Have a look what the booklet for
Yxy(35.8031, 0.3131, 0.4534)
contains.

Yxy(35.8031, 0.3131, 0.4534)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8031, 0.3131, 0.4534)

Conversions

Conversions Part 1

Format	Color
Hex	6FB167
RGB	111, 177, 103
RGB Percent	44%, 69%, 40%
CMY	0.5648, 0.3059, 0.5961
CMYK	0.37, 0.00, 0.42, 0.31
HSL	114°, 32%, 55%
HSV	114°, 42%, 69%
XYZ	24.7242, 35.8031, 18.4385
YIQ	148.8300, -15.5820, -37.0060

Conversions

Conversions Part 2

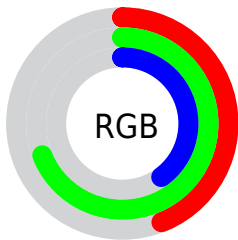
Format	Color
RYB	103, 177, 169
Decimal	7319911
CIELab	66.37, -35.86, 31.37
CIELCh	66, 47.644, 138.827
Yxy	35.8031, 0.3131, 0.4534
Android (android.graphics.Color)	4285509991 (0xFF6FB167)
YUV	148.8300, -22.5942, -33.1769
Hunter-Lab	59.8357, -30.9560, 23.6146

Details

The Yxy color **35.8031, 0.3131, 0.4534** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.3120, 0.3080, 0.2252**, and the grayscale version is **30.0805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6437, 0.3145, 0.4269**, and **15.5812, 0.3084, 0.4996** is the 20% darker color. If you saturate the color by 10%, you get **34.5508, 0.3122, 0.4878**, and if you desaturate by 10%, it is **37.3148, 0.3135, 0.4197**.

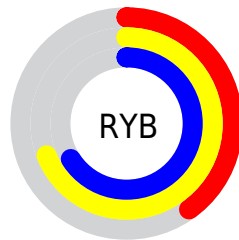
Distribution



Red (44%)

Green (69%)

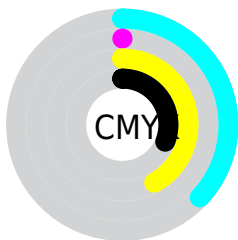
Blue (40%)



Red (40%)

Yellow (69%)

Blue (66%)

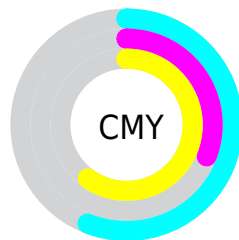


Cyan (37%)

Magenta (0%)

Yellow (42%)

Black (31%)



Cyan (56%)


Magenta (31%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8031, 0.3131, 0.4534 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 35.8031, 0.3131, 0.4534 by changing the saturation by 10% instead.


 35.8031, 0.3131,
0.4534

 35.8031, 0.3131,
0.4534

328.0991, 0.3153,
0.3848


 24.2822, 0.3114,
0.4727


 68.7280, 0.3146,
0.4269

 15.5431, 0.3084,
0.4986

 90.9008, 0.3150,
0.4174

 9.2014, 0.3027,
0.5353


 117.3931, 0.3152,
0.4096

 4.8728, 0.2909,
0.5898

 148.5891, 0.3153,
0.4031

 2.1728, 0.2805,
0.7195

184.8733, 0.3153,
0.3975

 0.7051, 0.0000,
1.0000

226.6301, 0.3154,

 0.0000, 0.0000,

0.3927

0.0000

274.2439, 0.3153,
0.3885

■ 35.8031, 0.3131,
0.4534

■ 35.8031, 0.3131,
0.4534

■ 34.5508, 0.3122,
0.4878

■ 37.3148, 0.3135,
0.4197

■ 33.5389, 0.3109,
0.5210

■ 39.0944, 0.3135,
0.3880

■ 32.7533, 0.3090,
0.5505

■ 41.1559, 0.3133,
0.3591


■ 32.1763, 0.3068,
0.5740

■ 43.5107, 0.3128,
0.3333


■ 31.7875, 0.3043,
0.5898

■ 46.1697, 0.3122,
0.3107

 31.5864, 0.3027,
0.5978

 49.1433, 0.3116,
0.2909

 52.4413, 0.3108,
0.2737

 56.0731, 0.3101,
0.2589

 59.5683, 0.3148,
0.2523

Harmonies

Analogous

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



35.8031, 0.3821, 0.4591



35.8031, 0.3131, 0.4534



35.8031, 0.2477, 0.3980

Triad

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



35.8031, 0.3131, 0.4534



35.8031, 0.1980, 0.2255



35.8031, 0.4343, 0.3192

Complementary

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



35.8031, 0.3131, 0.4534



21.3120, 0.3080, 0.2252

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.



35.8031, 0.3730, 0.2708



35.8031, 0.3131, 0.4534



35.8031, 0.2362, 0.2188

Square

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



35.8031, 0.3131, 0.4534



35.8031, 0.1866, 0.2591



35.8031, 0.2985, 0.2353



35.8031, 0.4572, 0.3731

Rectangle

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



35.8031, 0.3131, 0.4534



35.8031, 0.2149, 0.3465



35.8031, 0.2985, 0.2353



35.8031, 0.4172, 0.3021

Sweetspot

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



35.8046, 0.3131, 0.4534



73.1505, 0.3133, 0.3630



38.4701, 0.3785, 0.4202



15.6736, 0.3134, 0.3691



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.8046, 0.3131, 0.4534



62.0700, 0.3123, 0.4846



35.9790, 0.2870, 0.4060



9.5325, 0.3132, 0.3524



22.8972, 0.3031, 0.5976



0.7346, 0.3147, 0.5884

Inverse Universe

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



21.3120, 0.3080, 0.2252



32.6594, 0.3063, 0.2043



21.2064, 0.3527, 0.2635



8.5992, 0.3121, 0.3064



7.5753, 0.2943, 0.1395



0.2516, 0.3022, 0.1438

Previews

White Background



This preview shows how the Yxy color 35.8031, 0.3131, 0.4534 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 35.8031, 0.3131, 0.4534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

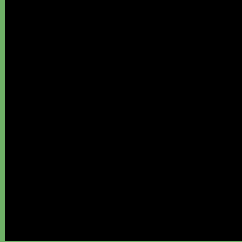
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8031, 0.3131, 0.4534

Background



This preview shows how black text looks on a background with the Yxy color 35.8031, 0.3131, 0.4534.



This preview shows how white text looks on a background with the Yxy color 35.8031, 0.3131, 0.4534.

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

35.8031, 0.3131, 0.4534

Protanopia

35.5829, 0.3867, 0.4194

Deuteranopia

35.4004, 0.3977, 0.3911



Tritanopia

35.7014, 0.2667, 0.3091

Trichromacy



Original Color

35.8031, 0.3131, 0.4534

Protanomaly

35.2137, 0.3569, 0.4331

Deuteranomaly

34.6678, 0.3646, 0.4127

Tritanomaly

35.4188, 0.2835, 0.3579

Monochromacy



Original Color

35.8031, 0.3131, 0.4534

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.6131, 0.3135, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8031, 0.3131, 0.4534 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(111, 177, 103)` looks like.

```
.text, #text, p{  
    color:rgb(111, 177, 103)  
}
```

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(111, 177, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 177, 103) }
```

Border

The CSS property to change the border of an element to Yxy 35.8031, 0.3131, 0.4534 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(111, 177, 103) }
```

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

```
.border{ border-color:rgb(111, 177, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 177, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 177, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 177, 103);  
box-shadow:4px 4px 4px 4px rgb(111, 177,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8031, 0.3131, 0.4534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 177, 103) }
```

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

```
.background{ background-color: rgb(111,  
177, 103) }
```

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