

Converting Colors

Yxy(31.3858, 0.3361, 0.4149)

Have a look what the booklet for
Yxy(31.3858, 0.3361, 0.4149)
contains.

Yxy(31.4586, 0.3355, 0.4150)	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(31.4586, 0.3355, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	88A06C
RGB	136, 160, 108
RGB Percent	53%, 63%, 42%
CMY	0.4666, 0.3725, 0.5765
CMYK	0.15, 0.00, 0.33, 0.37
HSL	88°, 21%, 53%
HSV	88°, 33%, 63%
XYZ	25.4322, 31.4586, 18.9131
YIQ	146.8960, 2.3880, -21.2600

Conversions

Conversions Part 2

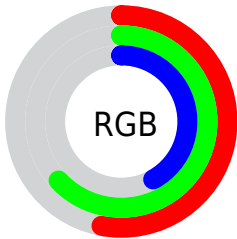
Format	Color
RYB	108, 160, 132
Decimal	8953964
CIELab	62.89, -17.86, 24.43
CIELCh	63, 30.263, 126.170
Yxy	31.4586, 0.3355, 0.4150
Android (android.graphics.Color)	4287144044 (0xFF88A06C)
YUV	146.8960, -19.1757, -9.5558
Hunter-Lab	56.0880, -17.2160, 19.2688

Details

The Yxy color **31.4586, 0.3355, 0.4150** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1616, 0.2828, 0.2421**, and the grayscale version is **29.2135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0861, 0.3316, 0.3968**, and **12.9827, 0.3403, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **30.5534, 0.3414, 0.4439**, and if you desaturate by 10%, it is **32.4716, 0.3288, 0.3868**.

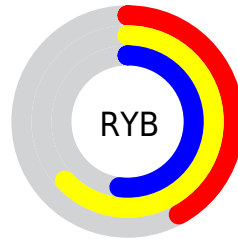
Distribution



Red (53%)

Green (63%)

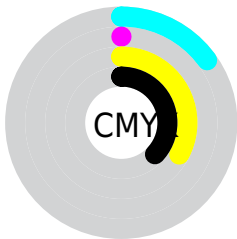
Blue (42%)



Red (42%)

Yellow (63%)

Blue (52%)

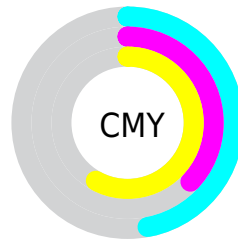


Cyan (15%)

Magenta (0%)

Yellow (33%)

Black (37%)



Cyan (47%)


Magenta (37%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4586, 0.3355, 0.4150 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 31.4586, 0.3355, 0.4150 by changing the saturation by 10% instead.

 31.4586, 0.3355,
0.4150

 31.4586, 0.3355,
0.4150


308.6456, 0.3244,
0.3677

 20.9483, 0.3380,
0.4283


 61.9614, 0.3316,
0.3967


 13.0862, 0.3408,
0.4463


 82.7226, 0.3301,
0.3902

 7.4879, 0.3439,
0.4720


 107.6697, 0.3288,
0.3848

 3.7691, 0.3463,
0.5108

 137.1869, 0.3277,
0.3803

 1.5452, 0.3740,
0.6260

171.6587, 0.3267,
0.3765

 0.3203, 0.0000,
1.0000

211.4695, 0.3259,

 0.0000, 0.0000,

0.3731

0.0000

257.0037, 0.3251,
0.3703

■ 31.4586, 0.3355,
0.4150

■ 31.4586, 0.3355,
0.4150

■ 30.5534, 0.3414,
0.4439

■ 32.4716, 0.3288,
0.3868

■ 29.7476, 0.3461,
0.4724

■ 33.5922, 0.3217,
0.3600

■ 29.0379, 0.3493,
0.4993


■ 34.8256, 0.3145,
0.3350

■ 28.4193, 0.3504,
0.5233


■ 36.1753, 0.3074,
0.3120


■ 27.8860, 0.3493,
0.5429


■ 37.6448, 0.3006,
0.2912

 27.4314, 0.3461,
0.5575

 39.2371, 0.2940,
0.2724

 27.1316, 0.3428,
0.5660

 40.9555, 0.2879,
0.2555

 42.8029, 0.2822,
0.2405

 44.7822, 0.2769,
0.2271

Harmonies

Analogous

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



31.4586, 0.3788, 0.4102



31.4586, 0.3355, 0.4150



31.4586, 0.2881, 0.3910

Triad

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



31.4586, 0.3355, 0.4150



31.4586, 0.2271, 0.2667



31.4586, 0.3785, 0.3088

Complementary

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



31.4586, 0.3355, 0.4150



18.1616, 0.2828, 0.2421

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.



31.4586, 0.3328, 0.2769



31.4586, 0.3355, 0.4150



31.4586, 0.2469, 0.2525

Square

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



31.4586, 0.3355, 0.4150



31.4586, 0.2278, 0.2997



31.4586, 0.2845, 0.2567



31.4586, 0.4058, 0.3467

Rectangle

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



31.4586, 0.3355, 0.4150



31.4586, 0.2605, 0.3623



31.4586, 0.2845, 0.2567



31.4586, 0.3646, 0.2972

Sweetspot

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



31.4600, 0.3355, 0.4150



61.4942, 0.3201, 0.3540



24.8934, 0.3736, 0.3665



13.4240, 0.3210, 0.3574



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.4600, 0.3355, 0.4150



55.9114, 0.3399, 0.4359



29.5766, 0.3107, 0.4219



7.5682, 0.3194, 0.3516



21.1613, 0.3434, 0.5655



0.4034, 0.3736, 0.5415

Inverse Universe

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



18.1616, 0.2828, 0.2421



27.9449, 0.2743, 0.2207



20.4674, 0.3132, 0.2496



6.5776, 0.3056, 0.3064



3.1296, 0.1970, 0.0859



0.0809, 0.2430, 0.1112

Previews

White Background



This preview shows how the Yxy color 31.4586, 0.3355, 0.4150 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 31.4586, 0.3355, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

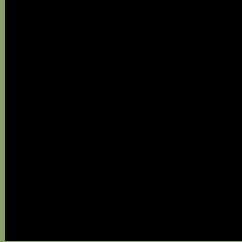
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4586, 0.3355, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 31.4586, 0.3355, 0.4150.



This preview shows how white text looks on a background with the Yxy color 31.4586, 0.3355, 0.4150.

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

31.4586, 0.3355, 0.4150

Protanopia

31.3689, 0.3713, 0.4004

Deuteranopia

31.4088, 0.3861, 0.3794



Tritanopia

31.4284, 0.2933, 0.3105

Trichromacy



Original Color

31.4586, 0.3355, 0.4150

Protanomaly

31.3533, 0.3580, 0.4060

Deuteranomaly

31.1515, 0.3669, 0.3915

Tritanomaly

31.4533, 0.3089, 0.3481

Monochromacy



Original Color

31.4586, 0.3355, 0.4150

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.9896, 0.3214, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4586, 0.3355, 0.4150 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(136, 160, 108)` looks like.

```
.text, #text, p{  
    color:rgb(136, 160, 108)  
}
```

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(136, 160, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 160, 108) }
```

Border

The CSS property to change the border of an element to Yxy 31.4586, 0.3355, 0.4150 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(136, 160, 108) }
```

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

```
.border{ border-color:rgb(136, 160, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 160, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 160, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 160, 108);  
box-shadow:4px 4px 4px 4px rgb(136, 160,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4586, 0.3355, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 160, 108) }
```

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

```
.background{ background-color: rgb(136,  
160, 108) }
```

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