

Converting Colors

Yxy(34.2323, 0.3289, 0.4866)

Have a look what the booklet for
Yxy(34.2323, 0.3289, 0.4866)
contains.

Yxy(34.2308, 0.3289, 0.4866)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.2308, 0.3289, 0.4866)

Conversions

Conversions Part 1

Format	Color
Hex	6FAE50
RGB	111, 174, 80
RGB Percent	44%, 68%, 31%
CMY	0.5648, 0.3176, 0.6862
CMYK	0.36, 0.00, 0.54, 0.32
HSL	100°, 37%, 50%
HSV	100°, 54%, 68%
XYZ	23.1371, 34.2308, 12.9790
YIQ	144.4470, -7.3740, -42.5900

Conversions

Conversions Part 2

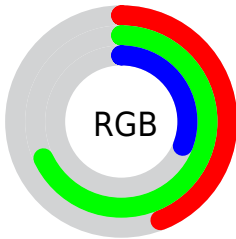
Format	Color
RYB	80, 174, 143
Decimal	7319120
CIELab	65.15, -37.57, 41.48
CIELCh	65, 55.962, 132.170
Yxy	34.2308, 0.3289, 0.4866
Android (android.graphics.Color)	4285509200 (0xFF6FAE50)
YUV	144.4470, -31.7724, -29.3330
Hunter-Lab	58.5071, -31.7982, 27.8023

Details

The Yxy color **34.2308, 0.3289, 0.4866** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.6395, 0.2793, 0.1872**, and the grayscale version is **28.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3666, 0.3286, 0.4525**, and **14.6333, 0.3251, 0.5439** is the 20% darker color. If you saturate the color by 10%, you get **33.2995, 0.3289, 0.5166**, and if you desaturate by 10%, it is **35.3306, 0.3275, 0.4550**.

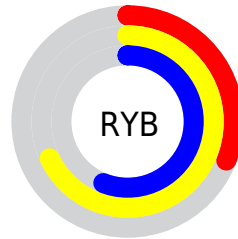
Distribution



Red (44%)

Green (68%)

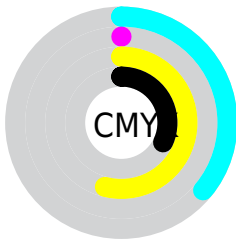
Blue (31%)



Red (31%)

Yellow (68%)

Blue (56%)

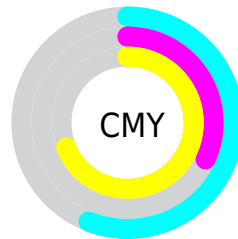


Cyan (36%)

Magenta (0%)

Yellow (54%)

Black (32%)



Cyan (56%)


Magenta (32%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2308, 0.3289, 0.4866 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 34.2308, 0.3289, 0.4866 by changing the saturation by 10% instead.


 34.2308, 0.3289,
0.4866


 34.2308, 0.3289,
0.4866


321.1600, 0.3245,
0.3994


 23.0710, 0.3280,
0.5108


 66.2924, 0.3286,
0.4530


 14.6459, 0.3253,
0.5428


 87.9630, 0.3281,
0.4410


 8.5713, 0.3184,
0.5867

 113.9059, 0.3274,
0.4310

 4.4626, 0.3113,
0.6690

 144.5056, 0.3268,
0.4226

 1.9356, 0.2590,
0.7410

 180.1465, 0.3262,
0.4155

 0.5696, 0.0000,
1.0000

221.2129, 0.3256,

 0.0000, 0.0000,

0.4094

0.0000

268.0893, 0.3251,
0.4041

■ 34.2308, 0.3289,
0.4866

■ 34.2308, 0.3289,
0.4866

■ 33.2995, 0.3289,
0.5166

■ 35.3306, 0.3275,
0.4550

■ 32.5231, 0.3274,
0.5432

■ 36.6027, 0.3251,
0.4234

■ 31.8932, 0.3243,
0.5646

■ 38.0563, 0.3219,
0.3930

■ 31.3979, 0.3199,
0.5796

■ 39.6985, 0.3182,
0.3646

■ 31.1543, 0.3171,
0.5865

■ 41.5363, 0.3143,
0.3387

■ 43.5759, 0.3103,
0.3153

■ 45.8236, 0.3064,
0.2945

■ 48.2851, 0.3027,
0.2760

■ 50.9661, 0.2991,
0.2597

Harmonies

Analogous

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



34.2308, 0.4077, 0.4754



34.2308, 0.3289, 0.4866



34.2308, 0.2501, 0.4320

Triad

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



34.2308, 0.3289, 0.4866



34.2308, 0.1745, 0.2135



34.2308, 0.4446, 0.3025

Complementary

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



34.2308, 0.3289, 0.4866



14.6395, 0.2793, 0.1872

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.



34.2308, 0.3641, 0.2504



34.2308, 0.3289, 0.4866



34.2308, 0.2108, 0.2008

Square

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



34.2308, 0.3289, 0.4866



34.2308, 0.1680, 0.2582



34.2308, 0.2768, 0.2144



34.2308, 0.4826, 0.3628

Rectangle

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



34.2308, 0.3289, 0.4866



34.2308, 0.2085, 0.3700



34.2308, 0.2768, 0.2144



34.2308, 0.4210, 0.2838

Sweetspot

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



34.2323, 0.3289, 0.4866



71.2966, 0.3191, 0.3709



29.1268, 0.4126, 0.4190



15.7106, 0.3198, 0.3765



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.



34.2323, 0.3289, 0.4866



60.0723, 0.3287, 0.5226



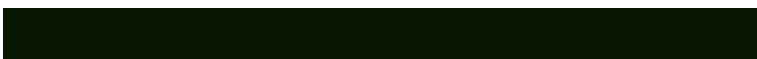
32.8199, 0.2951, 0.4715



9.0627, 0.3164, 0.3521



22.6234, 0.3178, 0.5859



0.6596, 0.3431, 0.5658

Inverse Universe

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



14.6395, 0.2793, 0.1872



20.7059, 0.2689, 0.1585



17.2191, 0.3393, 0.2203



8.0139, 0.3087, 0.3063



4.9773, 0.2405, 0.1099



0.1665, 0.2658, 0.1238

Previews

White Background



This preview shows how the Yxy color 34.2308, 0.3289, 0.4866 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 34.2308, 0.3289, 0.4866 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 34.2308, 0.3289, 0.4866

Background



This preview shows how black text looks on a background with the Yxy color 34.2308, 0.3289, 0.4866.



This preview shows how white text looks on a background with the Yxy color 34.2308, 0.3289, 0.4866.

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

34.2308, 0.3289, 0.4866

Protanopia

33.9604, 0.4046, 0.4440

Deuteranopia

33.6910, 0.4211, 0.4133



Tritanopia

34.2373, 0.2704, 0.3089

Trichromacy



Original Color

34.2308, 0.3289, 0.4866

Protanomaly

33.6661, 0.3744, 0.4604

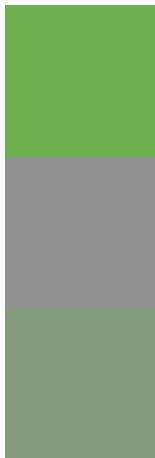
Deuteranomaly

33.2229, 0.3850, 0.4395

Tritanomaly

34.0232, 0.2924, 0.3717

Monochromacy



Original Color

34.2308, 0.3289, 0.4866

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.7287, 0.3209, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2308, 0.3289, 0.4866 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, 174, 80)` looks like.

```
.text, #text, p{  
    color:rgb(111, 174, 80)  
}
```

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, 174, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 174, 80) }
```

Border

The CSS property to change the border of an element to Yxy 34.2308, 0.3289, 0.4866 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, 174, 80) }
```

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

```
.border{ border-color:rgb(111, 174, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 174, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 174, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 174, 80);  
box-shadow:4px 4px 4px 4px rgb(111, 174,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2308, 0.3289, 0.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 174, 80) }
```

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

```
.background{ background-color: rgb(111,  
174, 80) }
```

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