

Converting Colors

$Yxy(33.4224, 0.3671, 0.4858)$

Have a look what the booklet for
Yxy(33.4224, 0.3671, 0.4858)
contains.

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Color

Yxy(33.4224, 0.3671, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	8AA741
RGB	138, 167, 65
RGB Percent	54%, 65%, 25%
CMY	0.4588, 0.3451, 0.7451
CMYK	0.17, 0.00, 0.61, 0.35
HSL	77°, 44%, 45%
HSV	77°, 61%, 65%
XYZ	25.2560, 33.4224, 10.1203
YIQ	146.7010, 15.4580, -37.8700

Conversions

Conversions Part 2

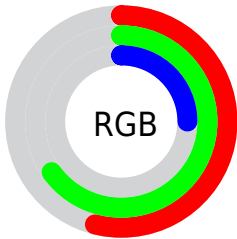
Format	Color
RYB	65, 167, 94
Decimal	9086785
CIELab	64.50, -25.54, 48.20
CIELCh	65, 54.548, 117.918
Yxy	33.4224, 0.3671, 0.4858
Android (android.graphics.Color)	4287276865 (0xFF8AA741)
YUV	146.7010, -40.2786, -7.6308
Hunter-Lab	57.8121, -23.1911, 30.0895

Details

The Yxy color **33.4224, 0.3671, 0.4858** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.9491, 0.2246, 0.1491**, and the grayscale version is **29.2140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9962, 0.3601, 0.4538**, and **14.2081, 0.3735, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **32.8621, 0.3713, 0.5068**, and if you desaturate by 10%, it is **34.0606, 0.3608, 0.4617**.

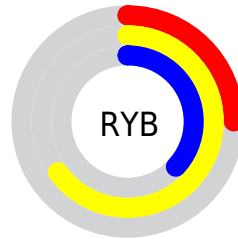
Distribution



Red (54%)

Green (65%)

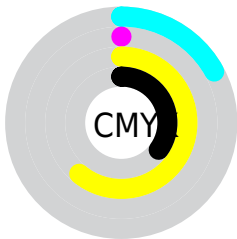
Blue (25%)



Red (25%)

Yellow (65%)

Blue (37%)

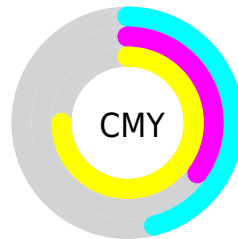


Cyan (17%)

Magenta (0%)

Yellow (61%)

Black (35%)



Cyan (46%)


Magenta (35%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4224, 0.3671, 0.4858 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 33.4224, 0.3671, 0.4858 by changing the saturation by 10% instead.


 33.4224, 0.3671,
0.4858

 33.4224, 0.3671,
0.4858


317.5488, 0.3431,
0.4014


 22.4502, 0.3708,
0.5077


 65.0344, 0.3598,
0.4542

 14.1881, 0.3737,
0.5356


 86.4431, 0.3565,
0.4426

 8.2516, 0.3737,
0.5717

 112.0994, 0.3537,
0.4328

 4.2564, 0.3716,
0.6284

 142.3877, 0.3511,
0.4246

 1.8180, 0.3321,
0.6679

 177.6924, 0.3488,
0.4176

 0.4983, 0.0000,
1.0000

218.3978, 0.3467,

 0.0000, 0.0000,

0.4115

0.0000

264.8885, 0.3448,
0.4061

■ 33.4224, 0.3671,
0.4858

■ 33.4224, 0.3671,
0.4858

■ 32.8621, 0.3713,
0.5068

■ 34.0606, 0.3608,
0.4617

■ 32.3698, 0.3731,
0.5238

■ 34.7770, 0.3528,
0.4357

■ 31.9405, 0.3724,
0.5362

■ 35.5774, 0.3437,
0.4088

■ 31.5984, 0.3703,
0.5442

■ 36.4659, 0.3339,
0.3820

■ 37.4460, 0.3238,
0.3561

■ 38.5213, 0.3138,
0.3316

■ 39.6950, 0.3040,
0.3087

■ 40.9702, 0.2947,
0.2876

■ 42.3497, 0.2860,
0.2685

Harmonies

Analogous

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



33.4224, 0.4374, 0.4524



33.4224, 0.3671, 0.4858



33.4224, 0.2868, 0.4633

Triad

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



33.4224, 0.3671, 0.4858



33.4224, 0.1697, 0.2320



33.4224, 0.4080, 0.2771

Complementary

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



33.4224, 0.3671, 0.4858



8.9491, 0.2246, 0.1491

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.



33.4224, 0.3212, 0.2322



33.4224, 0.3671, 0.4858



33.4224, 0.1916, 0.2051

Square

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



33.4224, 0.3671, 0.4858



33.4224, 0.1777, 0.2929



33.4224, 0.2431, 0.2067



33.4224, 0.4687, 0.3338

Rectangle

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



33.4224, 0.3671, 0.4858



33.4224, 0.2383, 0.4136



33.4224, 0.2431, 0.2067



33.4224, 0.3801, 0.2604

Sweetspot

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



33.4239, 0.3671, 0.4858



65.7744, 0.3311, 0.3748



16.5846, 0.4686, 0.3721



14.6122, 0.3340, 0.3822



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.4239, 0.3671, 0.4858



58.5546, 0.3721, 0.5128



30.0502, 0.3194, 0.5130



8.6651, 0.3220, 0.3516



24.2049, 0.3708, 0.5438



0.6128, 0.3877, 0.5304

Inverse Universe

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



8.9491, 0.2246, 0.1491



10.9880, 0.2024, 0.1130



12.5810, 0.2890, 0.1772



7.3999, 0.3029, 0.3060



2.6277, 0.1698, 0.0709



0.0893, 0.2068, 0.0913

Previews

White Background



This preview shows how the Yxy color 33.4224, 0.3671, 0.4858 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 33.4224, 0.3671, 0.4858 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 33.4224, 0.3671, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 33.4224, 0.3671, 0.4858.



This preview shows how white text looks on a background with the Yxy color 33.4224, 0.3671, 0.4858.

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

33.4224, 0.3671, 0.4858

Protanopia

33.1234, 0.4156, 0.4556

Deuteranopia

32.9722, 0.4366, 0.4269



Tritanopia

33.4625, 0.2956, 0.3111

Trichromacy



Original Color

33.4224, 0.3671, 0.4858

Protanomaly

33.0776, 0.3976, 0.4669

Deuteranomaly

32.7566, 0.4105, 0.4478

Tritanomaly

33.2394, 0.3249, 0.3764

Monochromacy



Original Color

33.4224, 0.3671, 0.4858

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3248, 0.3372, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4224, 0.3671, 0.4858 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(138, 167, 65)` looks like.

```
.text, #text, p{  
    color:rgb(138, 167, 65)  
}
```

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(138, 167, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 167, 65) }
```

Border

The CSS property to change the border of an element to Yxy 33.4224, 0.3671, 0.4858 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(138, 167, 65) }
```

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

```
.border{ border-color:rgb(138, 167, 65) }
```

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

Here you see how a box with a 4 pixel rgb(138, 167, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 167, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 167, 65);  
box-shadow:4px 4px 4px 4px rgb(138, 167,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4224, 0.3671, 0.4858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 167, 65) }
```

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

```
.background{ background-color: rgb(138,  
167, 65) }
```

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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