

Converting Colors

$Y_{xy}(34.2871, 0.3642, 0.4822)$

Have a look what the booklet for
Yxy(34.2871, 0.3642, 0.4822)
contains.

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Color

Yxy(34.2946, 0.3645, 0.4824)

Conversions

Conversions Part 1

Format	Color
Hex	8BA945
RGB	139, 169, 69
RGB Percent	55%, 66%, 27%
CMY	0.4548, 0.3373, 0.7294
CMYK	0.18, 0.00, 0.59, 0.34
HSL	78°, 42%, 47%
HSV	78°, 59%, 66%
XYZ	25.9129, 34.2946, 10.8841
YIQ	148.6300, 14.2200, -37.4600

Conversions

Conversions Part 2

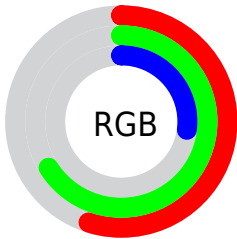
Format	Color
RYB	69, 169, 99
Decimal	9152837
CIELab	65.20, -25.77, 47.17
CIELCh	65, 53.753, 118.647
Yxy	34.2946, 0.3645, 0.4824
Android (android.graphics.Color)	4287342917 (0xFF8BA945)
YUV	148.6300, -39.2576, -8.4455
Hunter-Lab	58.5616, -23.4984, 29.9736

Details

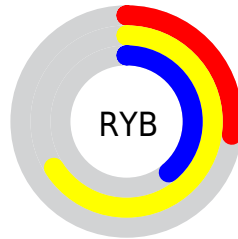
The Yxy color **34.2946, 0.3645, 0.4824** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.7725, 0.2296, 0.1555**, and the grayscale version is **30.0575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2939, 0.3579, 0.4509**, and **14.7327, 0.3707, 0.5313** is the 20% darker color. If you saturate the color by 10%, you get **33.6892, 0.3688, 0.5044**, and if you desaturate by 10%, it is **34.9831, 0.3581, 0.4576**.

Distribution



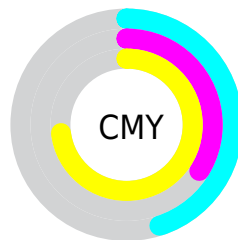
- Red (55%)
- Green (66%)
- Blue (27%)



- Red (27%)
- Yellow (66%)
- Blue (39%)



- Cyan (18%)
- Magenta (0%)
- Yellow (59%)
- Black (34%)




- Cyan (45%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2946, 0.3645, 0.4824 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 34.2946, 0.3645, 0.4824 by changing the saturation by 10% instead.


 34.2946, 0.3645,
0.4824


 34.2946, 0.3645,
0.4824


321.4437, 0.3417,
0.4000


 23.1200, 0.3681,
0.5039


 66.3915, 0.3575,
0.4515

 14.6821, 0.3710,
0.5313


 88.0827, 0.3544,
0.4402


 8.5966, 0.3711,
0.5667


 114.0481, 0.3517,
0.4307

 4.4790, 0.3726,
0.6274

 144.6722, 0.3492,
0.4226

 1.9450, 0.3342,
0.6658

 180.3395, 0.3470,
0.4157

 0.5752, 0.0000,
1.0000

221.4342, 0.3451,

 0.0000, 0.0000,

0.4098

0.0000

268.3408, 0.3433,
0.4046

■ 34.2946, 0.3645,
0.4824

■ 34.2946, 0.3645,
0.4824

■ 33.6892, 0.3688,
0.5044

■ 34.9831, 0.3581,
0.4576

■ 33.1567, 0.3708,
0.5225

■ 35.7549, 0.3502,
0.4310

■ 32.6923, 0.3704,
0.5361

■ 36.6160, 0.3412,
0.4039

■ 32.2835, 0.3679,
0.5455

■ 37.5704, 0.3315,
0.3771

■ 32.2508, 0.3677,
0.5463

■ 38.6219, 0.3217,
0.3513

■ 39.7742, 0.3119,
0.3270

■ 41.0304, 0.3025,
0.3045

■ 42.3939, 0.2935,
0.2839

■ 43.8676, 0.2850,
0.2651

Harmonies

Analogous

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



34.2946, 0.4337, 0.4514



34.2946, 0.3645, 0.4824



34.2946, 0.2858, 0.4584

Triad

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



34.2946, 0.3645, 0.4824



34.2946, 0.1726, 0.2331



34.2946, 0.4078, 0.2795

Complementary

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



34.2946, 0.3645, 0.4824



9.7725, 0.2296, 0.1555

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.



34.2946, 0.3232, 0.2350



34.2946, 0.3645, 0.4824



34.2946, 0.1948, 0.2072

Square

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



34.2946, 0.3645, 0.4824



34.2946, 0.1798, 0.2921



34.2946, 0.2462, 0.2093



34.2946, 0.4660, 0.3355

Rectangle

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



34.2946, 0.3645, 0.4824



34.2946, 0.2385, 0.4094



34.2946, 0.2462, 0.2093



34.2946, 0.3807, 0.2630

Sweetspot

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



34.2961, 0.3645, 0.4824



67.4409, 0.3307, 0.3749



17.4760, 0.4618, 0.3712



14.5901, 0.3334, 0.3823



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.



34.2961, 0.3645, 0.4824



60.0274, 0.3697, 0.5105



31.0123, 0.3196, 0.5072



8.6593, 0.3218, 0.3516



24.0658, 0.3682, 0.5459



0.6102, 0.3859, 0.5318

Inverse Universe

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



9.7725, 0.2296, 0.1555



12.0839, 0.2076, 0.1189



13.3550, 0.2900, 0.1812



7.4055, 0.3031, 0.3060



2.6778, 0.1717, 0.0719



0.0914, 0.2095, 0.0928

Previews

White Background



This preview shows how the Yxy color 34.2946, 0.3645, 0.4824 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 34.2946, 0.3645, 0.4824 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 34.2946, 0.3645, 0.4824

Background



This preview shows how black text looks on a background with the Yxy color 34.2946, 0.3645, 0.4824.



This preview shows how white text looks on a background with the Yxy color 34.2946, 0.3645, 0.4824.

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

34.2946, 0.3645, 0.4824

Protanopia

34.0772, 0.4133, 0.4526

Deuteranopia

33.9092, 0.4344, 0.4252



Tritanopia

34.3159, 0.2948, 0.3112

Trichromacy



Original Color

34.2946, 0.3645, 0.4824

Protanomaly

34.0324, 0.3955, 0.4635

Deuteranomaly

33.6958, 0.4088, 0.4457

Tritanomaly

34.1187, 0.3229, 0.3744

Monochromacy



Original Color

34.2946, 0.3645, 0.4824

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.1527, 0.3350, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2946, 0.3645, 0.4824 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(139, 169, 69)` looks like.

```
.text, #text, p{  
    color:rgb(139, 169, 69)  
}
```

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(139, 169, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 169, 69) }
```

Border

The CSS property to change the border of an element to Yxy 34.2946, 0.3645, 0.4824 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(139, 169, 69) }
```

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

```
.border{ border-color:rgb(139, 169, 69) }
```

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

Here you see how a box with a 4 pixel rgb(139, 169, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 169, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 169, 69);  
box-shadow:4px 4px 4px 4px rgb(139, 169,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2946, 0.3645, 0.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 169, 69) }
```

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

```
.background{ background-color: rgb(139,  
169, 69) }
```

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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