

Converting Colors

Yxy(34.0426, 0.3172, 0.4789)

Have a look what the booklet for
Yxy(34.0426, 0.3172, 0.4789)
contains.

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Color

Yxy(34.2316, 0.3176, 0.4801)

Conversions

Conversions Part 1

Format	Color
Hex	67AF57
RGB	103, 175, 87
RGB Percent	40%, 69%, 34%
CMY	0.5960, 0.3137, 0.6589
CMYK	0.41, 0.00, 0.50, 0.31
HSL	109°, 35%, 51%
HSV	109°, 50%, 69%
XYZ	22.6452, 34.2316, 14.4242
YIQ	143.4400, -14.6640, -42.6320

Conversions

Conversions Part 2

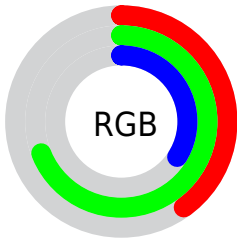
Format	Color
RYB	87, 175, 159
Decimal	6795095
CIELab	65.15, -39.80, 37.95
CIELCh	65, 54.995, 136.361
Yxy	34.2316, 0.3176, 0.4801
Android (android.graphics.Color)	4284985175 (0xFF67AF57)
YUV	143.4400, -27.8249, -35.4659
Hunter-Lab	58.5078, -33.3009, 26.3384

Details

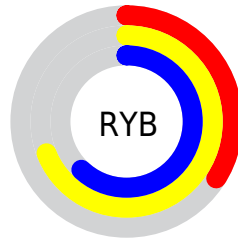
The Yxy color **34.2316, 0.3176, 0.4801** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.2723, 0.2983, 0.2026**, and the grayscale version is **27.7734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2850, 0.3191, 0.4468**, and **14.6874, 0.3109, 0.5354** is the 20% darker color. If you saturate the color by 10%, you get **33.2057, 0.3168, 0.5128**, and if you desaturate by 10%, it is **35.4745, 0.3176, 0.4465**.

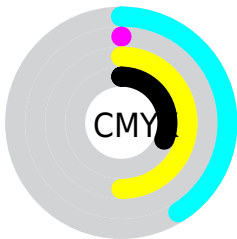
Distribution



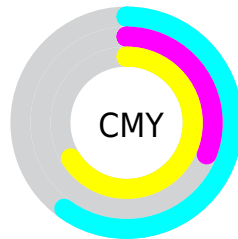
- Red (40%)
- Green (69%)
- Blue (34%)



- Red (34%)
- Yellow (69%)
- Blue (62%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (31%)





- Cyan (60%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2316, 0.3176, 0.4801 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 34.2316, 0.3176, 0.4801 by changing the saturation by 10% instead.


 34.2316, 0.3176,
0.4801


 34.2316, 0.3176,
0.4801


321.1635, 0.3187,
0.3960

 23.0716, 0.3155,
0.5038


 66.2937, 0.3192,
0.4475

 14.6464, 0.3115,
0.5356

 87.9645, 0.3194,
0.4359

 8.5716, 0.3033,
0.5800


 113.9077, 0.3194,
0.4263

 4.4628, 0.2902,
0.6544

 144.5077, 0.3193,
0.4182

 1.9357, 0.2432,
0.7568

 180.1489, 0.3192,
0.4114

 0.5697, 0.0000,
1.0000

221.2157, 0.3191,

 0.0000, 0.0000,

0.4056

0.0000

268.0924, 0.3189,
0.4005

■ 34.2316, 0.3176,
0.4801

■ 34.2316, 0.3176,
0.4801

■ 33.2057, 0.3168,
0.5128

■ 35.4745, 0.3176,
0.4465

■ 32.3801, 0.3150,
0.5425

■ 36.9415, 0.3170,
0.4137

■ 31.7423, 0.3125,
0.5669

■ 38.6447, 0.3159,
0.3830

■ 31.2766, 0.3092,
0.5844

■ 40.5940, 0.3144,
0.3549

■ 30.9659, 0.3061,
0.5952

■ 42.7987, 0.3128,
0.3297

■ 45.2678, 0.3110,
0.3074

■ 48.0095, 0.3093,
0.2879

■ 51.0320, 0.3076,
0.2708

■ 54.3430, 0.3059,
0.2559

Harmonies

Analogous

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



34.2316, 0.3965, 0.4778



34.2316, 0.3176, 0.4801



34.2316, 0.2417, 0.4182

Triad

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



34.2316, 0.3176, 0.4801



34.2316, 0.1797, 0.2117



34.2316, 0.4507, 0.3111

Complementary

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



34.2316, 0.3176, 0.4801



17.2723, 0.2983, 0.2026

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.



34.2316, 0.3756, 0.2580



34.2316, 0.3176, 0.4801



34.2316, 0.2197, 0.2030

Square

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



34.2316, 0.3176, 0.4801



34.2316, 0.1692, 0.2512



34.2316, 0.2886, 0.2198



34.2316, 0.4807, 0.3713

Rectangle

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



34.2316, 0.3176, 0.4801



34.2316, 0.2033, 0.3561



34.2316, 0.2886, 0.2198



34.2316, 0.4294, 0.2922

Sweetspot

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



34.2331, 0.3176, 0.4801



70.9151, 0.3152, 0.3685



34.5505, 0.3955, 0.4301



15.6034, 0.3155, 0.3743



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.



34.2331, 0.3176, 0.4801



59.3492, 0.3167, 0.5151



33.9193, 0.2872, 0.4359



9.0070, 0.3143, 0.3522



22.1957, 0.3066, 0.5948



0.6378, 0.3253, 0.5799

Inverse Universe

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



17.2723, 0.2983, 0.2026



25.5602, 0.2937, 0.1789



18.0364, 0.3555, 0.2433



8.0731, 0.3110, 0.3064



6.4281, 0.2759, 0.1293



0.1977, 0.2904, 0.1373

Previews

White Background



This preview shows how the Yxy color 34.2316, 0.3176, 0.4801 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 34.2316, 0.3176, 0.4801 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 34.2316, 0.3176, 0.4801

Background



This preview shows how black text looks on a background with the Yxy color 34.2316, 0.3176, 0.4801.



This preview shows how white text looks on a background with the Yxy color 34.2316, 0.3176, 0.4801.

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

34.2316, 0.3176, 0.4801

Protanopia

33.7067, 0.4007, 0.4357

Deuteranopia

33.6794, 0.4136, 0.4053



Tritanopia

34.1177, 0.2645, 0.3087

Trichromacy



Original Color

34.2316, 0.3176, 0.4801

Protanomaly

33.4714, 0.3668, 0.4539

Deuteranomaly

32.9225, 0.3749, 0.4318

Tritanomaly

33.9977, 0.2846, 0.3687

Monochromacy



Original Color

34.2316, 0.3176, 0.4801

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.4619, 0.3150, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2316, 0.3176, 0.4801 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(103, 175, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 175, 87)  
}
```

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(103, 175, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 175, 87) }
```

Border

The CSS property to change the border of an element to Yxy 34.2316, 0.3176, 0.4801 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(103, 175, 87) }
```

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

```
.border{ border-color:rgb(103, 175, 87) }
```

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

Here you see how a box with a 4 pixel rgb(103, 175, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 175, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 175, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 175,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2316, 0.3176, 0.4801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 175, 87) }
```

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

```
.background{ background-color: rgb(103,  
175, 87) }
```

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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