

Converting Colors

$Yxy(34.9221, 0.3107, 0.3846)$

Have a look what the booklet for
Yxy(34.9221, 0.3107, 0.3846)
contains.

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Color

Yxy(34.7948, 0.3102, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	86A886
RGB	134, 168, 134
RGB Percent	53%, 66%, 53%
CMY	0.4743, 0.3412, 0.4745
CMYK	0.20, 0.00, 0.20, 0.34
HSL	120°, 16%, 59%
HSV	120°, 20%, 66%
XYZ	28.1443, 34.7948, 27.7905
YIQ	153.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

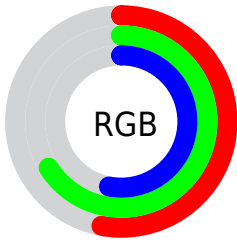
Format	Color
RYB	134, 168, 168
Decimal	8824966
CIELab	65.59, -18.41, 13.80
CIELCh	66, 23.012, 143.138
Yxy	34.7948, 0.3102, 0.3835
Android (android.graphics.Color)	4287015046 (0xFF86A886)
YUV	153.9580, -9.8393, -17.5032
Hunter-Lab	58.9871, -18.0604, 13.3578

Details

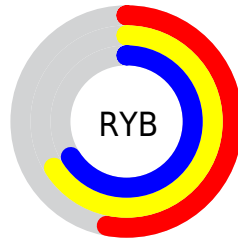
The Yxy color **34.7948, 0.3102, 0.3835** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.1989, 0.3150, 0.2799**, and the grayscale version is **32.3478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0546, 0.3114, 0.3722**, and **15.0157, 0.3092, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **33.0924, 0.3087, 0.4153**, and if you desaturate by 10%, it is **36.7933, 0.3115, 0.3548**.

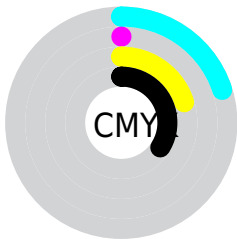
Distribution



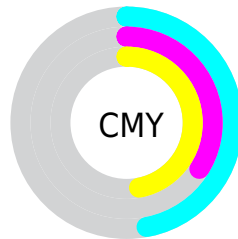
- Red (53%)
- Green (66%)
- Blue (53%)



- Red (53%)
- Yellow (66%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)



- Cyan (47%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7948, 0.3102, 0.3835 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 34.7948, 0.3102, 0.3835 by changing the saturation by 10% instead.

 34.7948, 0.3102,
0.3835


 34.7948, 0.3102,
0.3835


323.6617, 0.3120,
0.3540


 23.5049, 0.3095,
0.3917


 67.1678, 0.3110,
0.3722

 14.9667, 0.3085,
0.4027


 89.0196, 0.3112,
0.3681

 8.7960, 0.3069,
0.4184


 115.1608, 0.3114,
0.3648

 4.6084, 0.3038,
0.4425

145.9758, 0.3116,
0.3620

 2.0194, 0.2973,
0.4837

181.8490, 0.3117,
0.3595

 0.6187, 0.1830,
0.8170

223.1647, 0.3118,

 0.0000, 0.0000,

0.3574

0.0000

270.3075, 0.3119,
0.3556

■ 34.7948, 0.3102,
0.3835

■ 34.7948, 0.3102,
0.3835

■ 33.0924, 0.3087,
0.4153

■ 36.7933, 0.3115,
0.3548

■ 31.6680, 0.3071,
0.4496

■ 39.0964, 0.3127,
0.3295

■ 30.5081, 0.3055,
0.4849

■ 41.7177, 0.3137,
0.3075

■ 29.5963, 0.3039,
0.5193

■ 44.6687, 0.3146,
0.2885

■ 28.9147, 0.3024,
0.5499

■ 47.9602, 0.3153,
0.2722

■ 28.4427, 0.3013,
0.5744

■ 51.6026, 0.3160,
0.2582

■ 28.1561, 0.3005,
0.5907

■ 55.6058, 0.3165,
0.2463

■ 28.0032, 0.3000,
0.6000

■ 56.4818, 0.3167,
0.2441

Harmonies

Analogous

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



34.7948, 0.3452, 0.3927



34.7948, 0.3102, 0.3835



34.7948, 0.2772, 0.3567

Triad

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



34.7948, 0.3102, 0.3835



34.7948, 0.2551, 0.2748



34.7948, 0.3745, 0.3306

Complementary

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



34.7948, 0.3102, 0.3835



28.1989, 0.3150, 0.2799

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.



34.7948, 0.3477, 0.3029



34.7948, 0.3102, 0.3835



34.7948, 0.2785, 0.2715

Square

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



34.7948, 0.3102, 0.3835



34.7948, 0.2466, 0.2926



34.7948, 0.3121, 0.2817



34.7948, 0.3835, 0.3595

Rectangle

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



34.7948, 0.3102, 0.3835



34.7948, 0.2605, 0.3339



34.7948, 0.3121, 0.2817



34.7948, 0.3672, 0.3209

Sweetspot

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



34.7963, 0.3102, 0.3835



68.4275, 0.3120, 0.3440



37.8385, 0.3427, 0.3775



14.8592, 0.3120, 0.3456



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.



34.7963, 0.3102, 0.3835



61.7845, 0.3096, 0.3966



35.2870, 0.2968, 0.3566



8.4082, 0.3116, 0.3523



21.1497, 0.3000, 0.6000



0.5147, 0.3002, 0.5998

Inverse Universe

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



28.1989, 0.3150, 0.2799



47.7419, 0.3154, 0.2696



27.6299, 0.3323, 0.3030



7.6661, 0.3137, 0.3067



8.4031, 0.3206, 0.1540



0.2046, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 34.7948, 0.3102, 0.3835 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 34.7948, 0.3102, 0.3835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

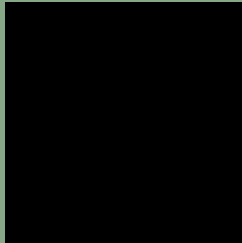
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7948, 0.3102, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 34.7948, 0.3102, 0.3835.



This preview shows how white text looks on a background with the Yxy color 34.7948, 0.3102, 0.3835.

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

34.7948, 0.3102, 0.3835

Protanopia

34.7061, 0.3497, 0.3733

Deuteranopia

34.5337, 0.3584, 0.3516



Tritanopia

34.5985, 0.2830, 0.3094

Trichromacy



Original Color

34.7948, 0.3102, 0.3835

Protanomaly

34.5473, 0.3347, 0.3763

Deuteranomaly

34.2306, 0.3402, 0.3618

Tritanomaly

34.4923, 0.2925, 0.3351

Monochromacy



Original Color

34.7948, 0.3102, 0.3835

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.1059, 0.3118, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7948, 0.3102, 0.3835 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(134, 168, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 168, 134)  
}
```

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(134, 168, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 168, 134) }
```

Border

The CSS property to change the border of an element to Yxy 34.7948, 0.3102, 0.3835 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(134, 168, 134) }
```

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

```
.border{ border-color:rgb(134, 168, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 168, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 168, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 168, 134);  
box-shadow:4px 4px 4px 4px rgb(134, 168,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7948, 0.3102, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 168, 134) }
```

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

```
.background{ background-color: rgb(134,  
168, 134) }
```

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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