

Converting Colors

Yxy(34.9417, 0.3184, 0.4389)

Have a look what the booklet for
Yxy(34.9417, 0.3184, 0.4389)
contains.

| | |
|---|----|
| Yxy(34.9417, 0.3184, 0.4389) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(34.9417, 0.3184, 0.4389)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 78AD6B |
| RGB | 120, 173, 107 |
| RGB Percent | 47%, 68%, 42% |
| CMY | 0.5292, 0.3216, 0.5803 |
| CMYK | 0.31, 0.00, 0.38, 0.32 |
| HSL | 108°, 29%, 55% |
| HSV | 108°, 38%, 68% |
| XYZ | 25.3485, 34.9417, 19.3218 |
| YIQ | 149.6290, -10.4020, -31.7620 |

Conversions

Conversions Part 2

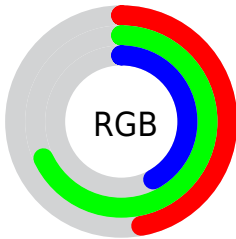
| Format | Color |
|-------------------------------------|--|
| RYB | 107, 173, 160 |
| Decimal | 7908715 |
| CIELab | 65.70, -30.33, 28.48 |
| CIELCh | 66, 41.603, 136.802 |
| Yxy | 34.9417, 0.3184, 0.4389 |
| Android (android.graphics.Color) | 4286098795 (0xFF78AD6B) |
| YUV | 149.6290, -21.0161, -25.9846 |
| Hunter-Lab | 59.1115, -26.9000, 21.9979 |

Details

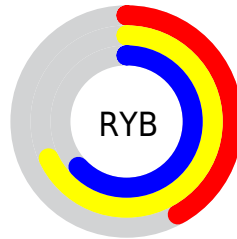
The Yxy color **34.9417, 0.3184, 0.4389** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.0050, 0.3017, 0.2322**, and the grayscale version is **30.4329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5405, 0.3186, 0.4159**, and **15.0036, 0.3173, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **33.6925, 0.3187, 0.4722**, and if you desaturate by 10%, it is **36.4106, 0.3174, 0.4067**.

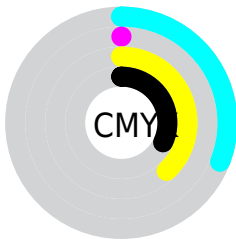
Distribution



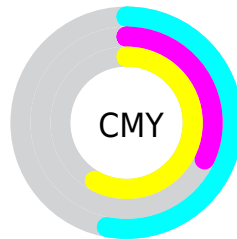
- Red (47%)
- Green (68%)
- Blue (42%)



- Red (42%)
- Yellow (68%)
- Blue (63%)



- Cyan (31%)
- Magenta (0%)
- Yellow (38%)
- Black (32%)




- Cyan (53%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9417, 0.3184, 0.4389 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 34.9417, 0.3184, 0.4389 by changing the saturation by 10% instead.


 34.9417, 0.3184,
0.4389


 34.9417, 0.3184,
0.4389


324.3109, 0.3173,
0.3785


 23.6180, 0.3178,
0.4559


 67.3954, 0.3185,
0.4156

 15.0505, 0.3165,
0.4788


 89.2942, 0.3184,
0.4072

 8.8548, 0.3133,
0.5112


 115.4869, 0.3183,
0.4003

 4.6466, 0.3057,
0.5600

 146.3577, 0.3181,
0.3946

 2.0414, 0.3092,
0.6908

182.2911, 0.3179,
0.3896

 0.6314, 0.0000,
1.0000

223.6715, 0.3177,

 0.0000, 0.0000,

0.3854

0.0000

270.8833, 0.3175,
0.3817

■ 34.9417, 0.3184,
0.4389

■ 34.9417, 0.3184,
0.4389

■ 33.6925, 0.3187,
0.4722

■ 36.4106, 0.3174,
0.4067

■ 32.6481, 0.3182,
0.5051

■ 38.1047, 0.3160,
0.3766

■ 31.7985, 0.3167,
0.5355


■ 40.0345, 0.3143,
0.3492


■ 31.1311, 0.3143,
0.5612

■ 42.2087, 0.3124,
0.3247

■ 30.6316, 0.3111,
0.5803

■ 44.6356, 0.3104,
0.3030


 30.2807, 0.3075,
0.5925

 47.3231, 0.3084,
0.2840

 30.2279, 0.3070,
0.5945

 50.2785, 0.3065,
0.2673

 53.5091, 0.3047,
0.2528

 56.5153, 0.3086,
0.2468

Harmonies

Analogous

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



34.9417, 0.3792, 0.4428



34.9417, 0.3184, 0.4389



34.9417, 0.2592, 0.3934

Triad

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



34.9417, 0.3184, 0.4389



34.9417, 0.2085, 0.2381



34.9417, 0.4169, 0.3181

Complementary

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



34.9417, 0.3184, 0.4389



21.0050, 0.3017, 0.2322

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.



34.9417, 0.3618, 0.2746



34.9417, 0.3184, 0.4389



34.9417, 0.2417, 0.2299

Square

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



34.9417, 0.3184, 0.4389



34.9417, 0.1999, 0.2708



34.9417, 0.2963, 0.2433



34.9417, 0.4402, 0.3668

Rectangle

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



34.9417, 0.3184, 0.4389



34.9417, 0.2285, 0.3495



34.9417, 0.2963, 0.2433



34.9417, 0.4012, 0.3026

Sweetspot

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



34.9432, 0.3184, 0.4389



70.6046, 0.3148, 0.3572



35.0171, 0.3752, 0.4053



15.2447, 0.3150, 0.3607



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.9432, 0.3184, 0.4389



60.6238, 0.3187, 0.4678



34.5389, 0.2930, 0.4076



9.0127, 0.3145, 0.3522



22.2284, 0.3075, 0.5941



0.6401, 0.3272, 0.5784

Inverse Universe

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



21.0050, 0.3017, 0.2322



31.9600, 0.2982, 0.2105



21.7085, 0.3409, 0.2619



8.0670, 0.3107, 0.3064



6.2622, 0.2721, 0.1273



0.1943, 0.2878, 0.1359

Previews

White Background



This preview shows how the Yxy color 34.9417, 0.3184, 0.4389 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 34.9417, 0.3184, 0.4389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

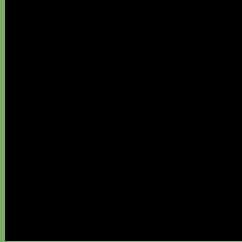
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9417, 0.3184, 0.4389

Background



This preview shows how black text looks on a background with the Yxy color 34.9417, 0.3184, 0.4389.



This preview shows how white text looks on a background with the Yxy color 34.9417, 0.3184, 0.4389.

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

34.9417, 0.3184, 0.4389

Protanopia

34.6201, 0.3811, 0.4126

Deuteranopia

34.4451, 0.3917, 0.3840



Tritanopia

34.6708, 0.2736, 0.3077

Trichromacy



Original Color

34.9417, 0.3184, 0.4389

Protanomaly

34.4002, 0.3569, 0.4227

Deuteranomaly

34.1599, 0.3629, 0.4039

Tritanomaly

34.4936, 0.2904, 0.3529

Monochromacy



Original Color

34.9417, 0.3184, 0.4389

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6639, 0.3157, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9417, 0.3184, 0.4389 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(120, 173, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 173, 107)  
}
```

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(120, 173, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 173, 107) }
```

Border

The CSS property to change the border of an element to Yxy 34.9417, 0.3184, 0.4389 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(120, 173, 107) }
```

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

```
.border{ border-color:rgb(120, 173, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 173, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 173, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 173, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 173,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9417, 0.3184, 0.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 173, 107) }
```

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

```
.background{ background-color: rgb(120,  
173, 107) }
```

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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