

Converting Colors

Yxy(34.7380, 0.2942, 0.3818)

Have a look what the booklet for
Yxy(34.7380, 0.2942, 0.3818)
contains.

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Color

Yxy(34.5775, 0.2948, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	78AA8A
RGB	120, 170, 138
RGB Percent	47%, 67%, 54%
CMY	0.5295, 0.3333, 0.4589
CMYK	0.29, 0.00, 0.19, 0.33
HSL	142°, 23%, 57%
HSV	142°, 29%, 67%
XYZ	26.7054, 34.5775, 29.3053
YIQ	151.4020, -19.5280, -20.5520

Conversions

Conversions Part 2

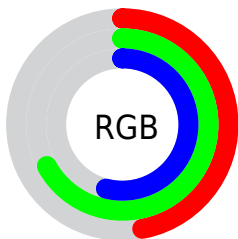
Format	Color
RYB	120, 157, 170
Decimal	7907978
CIELab	65.42, -23.46, 11.25
CIELCh	65, 26.014, 154.384
Yxy	34.5775, 0.2948, 0.3817
Android (android.graphics.Color)	4286098058 (0xFF78AA8A)
YUV	151.4020, -6.6072, -27.5396
Hunter-Lab	58.8026, -21.8383, 11.6137

Details

The Yxy color $34.5775, 0.2948, 0.3817$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $24.2437, 0.3365, 0.2817$, and the grayscale version is $31.1628, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.4963, 0.2986, 0.3707$, and $14.9635, 0.2888, 0.4014$ is the 20% darker color. If you saturate the color by 10%, you get $33.1700, 0.2895, 0.4033$, and if you desaturate by 10%, it is $36.2353, 0.3007, 0.3619$.

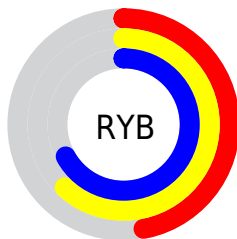
Distribution



Red (47%)

Green (67%)

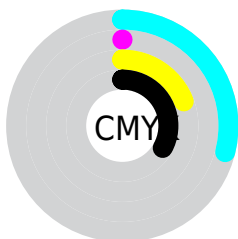
Blue (54%)



Red (47%)

Yellow (62%)

Blue (67%)

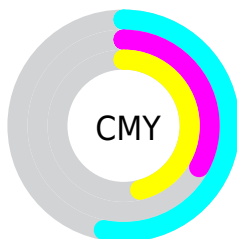


Cyan (29%)

Magenta (0%)

Yellow (19%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5775, 0.2948, 0.3817 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 34.5775, 0.2948, 0.3817 by changing the saturation by 10% instead.


 34.5775, 0.2948,
0.3817


 34.5775, 0.2948,
0.3817


322.6995, 0.3047,
0.3531


 23.3376, 0.2920,
0.3897


 66.8307, 0.2986,
0.3707

 14.8430, 0.2882,
0.4005


 88.6128, 0.3000,
0.3668

 8.7093, 0.2826,
0.4159


 114.6778, 0.3011,
0.3635

 4.5520, 0.2739,
0.4397

145.4101, 0.3020,
0.3608

 1.9869, 0.2584,
0.4810

181.1940, 0.3028,
0.3584

 0.5998, 0.0000,
1.0000

222.4139, 0.3035,

 0.0000, 0.0000,

0.3564

0.0000

269.4543, 0.3041,
0.3547

■ 34.5775, 0.2948,
0.3817

■ 34.5775, 0.2948,
0.3817

■ 33.1700, 0.2895,
0.4033

■ 36.2353, 0.3007,
0.3619

■ 31.9961, 0.2850,
0.4265

■ 38.1505, 0.3068,
0.3440

■ 31.0438, 0.2817,
0.4508

■ 40.3353, 0.3131,
0.3281

■ 30.2982, 0.2798,
0.4754

■ 42.7998, 0.3193,
0.3141

■ 29.7427, 0.2796,
0.4994

■ 45.5536, 0.3253,
0.3017

■ 29.3576, 0.2812,
0.5219

■ 48.6058, 0.3311,
0.2909

■ 29.1043, 0.2840,
0.5420

■ 51.9652, 0.3366,
0.2815

■ 29.0911, 0.2842,
0.5431

■ 55.4514, 0.3410,
0.2732

■ 56.0647, 0.3318,
0.2630

Harmonies

Analogous

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



34.5775, 0.3347, 0.4004



34.5775, 0.2948, 0.3817



34.5775, 0.2612, 0.3459

Triad

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



34.5775, 0.2948, 0.3817



34.5775, 0.2559, 0.2647



34.5775, 0.3893, 0.3428

Complementary

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



34.5775, 0.2948, 0.3817



24.2437, 0.3365, 0.2817

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.



34.5775, 0.3655, 0.3105



34.5775, 0.2948, 0.3817



34.5775, 0.2871, 0.2671

Square

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



34.5775, 0.2948, 0.3817



34.5775, 0.2399, 0.2783



34.5775, 0.3273, 0.2836



34.5775, 0.3907, 0.3740

Rectangle

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



34.5775, 0.2948, 0.3817



34.5775, 0.2463, 0.3196



34.5775, 0.3273, 0.2836



34.5775, 0.3837, 0.3318

Sweetspot

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



34.5789, 0.2948, 0.3817



69.3100, 0.3070, 0.3436



36.8318, 0.3390, 0.4052



15.3393, 0.3061, 0.3460



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.



34.5789, 0.2948, 0.3817



61.0945, 0.2914, 0.3949



35.3710, 0.2764, 0.3408



8.4507, 0.3069, 0.3438



21.4075, 0.2836, 0.5411



0.5306, 0.2643, 0.4714

Inverse Universe

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



24.2437, 0.3365, 0.2817



39.4048, 0.3431, 0.2714



23.5216, 0.3668, 0.3177



7.6201, 0.3190, 0.3146



7.1070, 0.4353, 0.2172



0.1822, 0.3890, 0.1917

Previews

White Background



This preview shows how the Yxy color 34.5775, 0.2948, 0.3817 looks on a white background.

Color Contrast Check

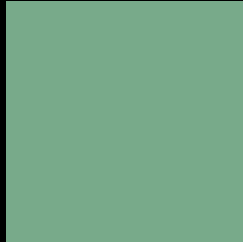
Large Text (above 18pt) WCAG AA × Fail

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 34.5775, 0.2948, 0.3817 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 34.5775, 0.2948, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 34.5775, 0.2948, 0.3817.

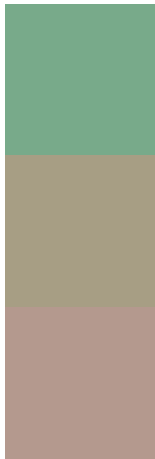


This preview shows how white text looks on a background with the Yxy color 34.5775, 0.2948, 0.3817.

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

34.5775, 0.2948, 0.3817

Protanopia

34.3352, 0.3461, 0.3675

Deuteranopia

34.4388, 0.3512, 0.3447



Tritanopia

34.7138, 0.2706, 0.3090

Trichromacy



Original Color

34.5775, 0.2948, 0.3817

Protanomaly

34.0459, 0.3260, 0.3725

Deuteranomaly

33.9885, 0.3281, 0.3563

Tritanomaly

34.6418, 0.2795, 0.3352

Monochromacy



Original Color

34.5775, 0.2948, 0.3817

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.1045, 0.3061, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5775, 0.2948, 0.3817 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, 170, 138)` looks like.

```
.text, #text, p{  
    color:rgb(120, 170, 138)  
}
```

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, 170, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 170, 138) }
```

Border

The CSS property to change the border of an element to Yxy 34.5775, 0.2948, 0.3817 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, 170, 138) }
```

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

```
.border{ border-color:rgb(120, 170, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 170, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 170, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 170, 138);  
box-shadow:4px 4px 4px 4px rgb(120, 170,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5775, 0.2948, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 170, 138) }
```

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

```
.background{ background-color: rgb(120,  
170, 138) }
```

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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