

Converting Colors

$Yxy(34.6663, 0.2981, 0.3907)$

Have a look what the booklet for
Yxy(34.6663, 0.2981, 0.3907)
contains.

Yxy(34.8123, 0.2987, 0.3917)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.8123, 0.2987, 0.3917)

Conversions

Conversions Part 1

Format	Color
Hex	78AB85
RGB	120, 171, 133
RGB Percent	47%, 67%, 52%
CMY	0.5293, 0.3294, 0.4784
CMYK	0.30, 0.00, 0.22, 0.33
HSL	135°, 23%, 57%
HSV	135°, 30%, 67%
XYZ	26.5469, 34.8123, 27.5157
YIQ	151.4190, -18.1980, -22.6300

Conversions

Conversions Part 2

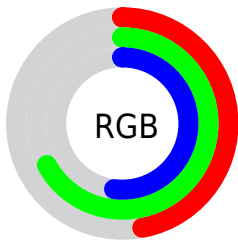
Format	Color
RYB	120, 161, 171
Decimal	7908229
CIELab	65.60, -24.90, 14.25
CIElCh	66, 28.687, 150.220
Yxy	34.8123, 0.2987, 0.3917
Android (android.graphics.Color)	4286098309 (0xFF78AB85)
YUV	151.4190, -9.0806, -27.5545
Hunter-Lab	59.0019, -22.9403, 13.6514

Details

The Yxy color **34.8123, 0.2987, 0.3917** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5690, 0.3306, 0.2736**, and the grayscale version is **31.1862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3676, 0.3017, 0.3794**, and **14.8466, 0.2928, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **33.3666, 0.2945, 0.4172**, and if you desaturate by 10%, it is **36.5220, 0.3033, 0.3683**.

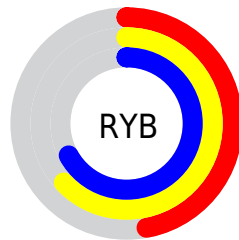
Distribution



Red (47%)

Green (67%)

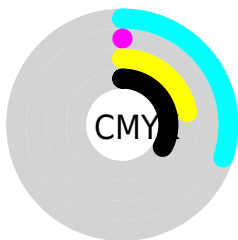
Blue (52%)



Red (47%)

Yellow (63%)

Blue (67%)

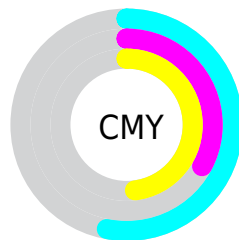


Cyan (30%)

Magenta (0%)

Yellow (22%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8123, 0.2987, 0.3917 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 34.8123, 0.2987, 0.3917 by changing the saturation by 10% instead.


 34.8123, 0.2987,
0.3917


 34.8123, 0.2987,
0.3917


323.7391, 0.3067,
0.3576


 23.5183, 0.2963,
0.4013


 67.1949, 0.3019,
0.3786

 14.9767, 0.2930,
0.4142


 89.0523, 0.3030,
0.3739

 8.8030, 0.2881,
0.4328


 115.1996, 0.3039,
0.3700

 4.6129, 0.2801,
0.4614

146.0213, 0.3046,
0.3667

 2.0220, 0.2652,
0.5112

181.9017, 0.3053,
0.3639

 0.6202, 0.0000,
1.0000

223.2252, 0.3058,

 0.0000, 0.0000,

0.3615

0.0000

270.3762, 0.3063,
0.3594

■ 34.8123, 0.2987,
0.3917

■ 34.8123, 0.2987,
0.3917

■ 33.3666, 0.2945,
0.4172

■ 36.5220, 0.3033,
0.3683

■ 32.1675, 0.2910,
0.4444

■ 38.5035, 0.3080,
0.3473

■ 31.2020, 0.2885,
0.4724

■ 40.7697, 0.3128,
0.3287

■ 30.4543, 0.2872,
0.5002

■ 43.3315, 0.3175,
0.3122

■ 29.9067, 0.2873,
0.5263

■ 46.1989, 0.3220,
0.2979

■ 29.5382, 0.2888,
0.5494

■ 49.3818, 0.3263,
0.2854

■ 29.3066, 0.2913,
0.5685

■ 52.8893, 0.3303,
0.2746

■ 29.3025, 0.2913,
0.5688

■ 56.3807, 0.3325,
0.2648

■ 57.1440, 0.3222,
0.2533

Harmonies

Analogous

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



34.8123, 0.3425, 0.4087



34.8123, 0.2987, 0.3917



34.8123, 0.2604, 0.3536

Triad

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



34.8123, 0.2987, 0.3917



34.8123, 0.2470, 0.2597



34.8123, 0.3949, 0.3387

Complementary

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



34.8123, 0.2987, 0.3917



24.5690, 0.3306, 0.2736

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.



34.8123, 0.3656, 0.3041



34.8123, 0.2987, 0.3917



34.8123, 0.2790, 0.2601

Square

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



34.8123, 0.2987, 0.3917



34.8123, 0.2323, 0.2766



34.8123, 0.3223, 0.2762



34.8123, 0.3999, 0.3734

Rectangle

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



34.8123, 0.2987, 0.3917



34.8123, 0.2427, 0.3242



34.8123, 0.3223, 0.2762



34.8123, 0.3875, 0.3268

Sweetspot

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



34.8138, 0.2987, 0.3917



69.2067, 0.3083, 0.3460



37.7761, 0.3442, 0.4051



15.3131, 0.3077, 0.3489



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.



34.8138, 0.2987, 0.3917



60.5324, 0.2958, 0.4089



35.5973, 0.2797, 0.3492



8.9716, 0.3083, 0.3464



22.0986, 0.2909, 0.5672



0.6236, 0.2740, 0.5064

Inverse Universe

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



24.5690, 0.3306, 0.2736



39.0883, 0.3359, 0.2608



23.7871, 0.3613, 0.3099



8.1127, 0.3175, 0.3123



7.6997, 0.3965, 0.1958



0.2224, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 34.8123, 0.2987, 0.3917 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 34.8123, 0.2987, 0.3917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

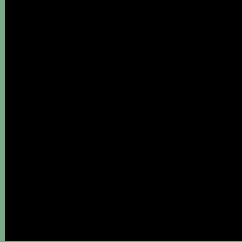
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8123, 0.2987, 0.3917

Background



This preview shows how black text looks on a background with the Yxy color 34.8123, 0.2987, 0.3917.



This preview shows how white text looks on a background with the Yxy color 34.8123, 0.2987, 0.3917.

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

34.8123, 0.2987, 0.3917

Protanopia

34.4210, 0.3529, 0.3747

Deuteranopia

34.5337, 0.3584, 0.3516



Tritanopia

34.7917, 0.2714, 0.3091

Trichromacy



Original Color

34.8123, 0.2987, 0.3917

Protanomaly

34.3587, 0.3313, 0.3817

Deuteranomaly

34.2901, 0.3336, 0.3653

Tritanomaly

34.6817, 0.2811, 0.3368

Monochromacy



Original Color

34.8123, 0.2987, 0.3917

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.0428, 0.3078, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8123, 0.2987, 0.3917 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, 171, 133)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 133)  
}
```

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, 171, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 133) }
```

Border

The CSS property to change the border of an element to Yxy 34.8123, 0.2987, 0.3917 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, 171, 133) }
```

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

```
.border{ border-color:rgb(120, 171, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 171, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 171, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 171, 133);  
box-shadow:4px 4px 4px 4px rgb(120, 171,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8123, 0.2987, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 133) }
```

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

```
.background{ background-color: rgb(120,  
171, 133) }
```

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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