

Converting Colors

$Yxy(33.9595, 0.2694, 0.3862)$

Have a look what the booklet for
Yxy(33.9595, 0.2694, 0.3862)
contains.

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Color

Yxy(33.8068, 0.2698, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	57AD8C
RGB	87, 173, 140
RGB Percent	34%, 68%, 55%
CMY	0.6586, 0.3216, 0.4509
CMYK	0.50, 0.00, 0.19, 0.32
HSL	157°, 34%, 51%
HSV	157°, 50%, 68%
XYZ	23.6114, 33.8068, 30.0962
YIQ	143.5240, -40.6630, -28.4950

Conversions

Conversions Part 2

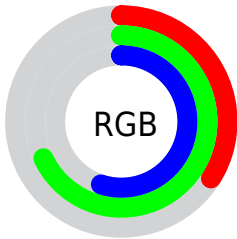
Format	Color
RYB	87, 140, 173
Decimal	5746060
CIELab	64.81, -34.00, 9.04
CIElCh	65, 35.182, 165.103
Yxy	33.8068, 0.2698, 0.3863
Android (android.graphics.Color)	4283936140 (0xFF57AD8C)
YUV	143.5240, -1.7373, -49.5715
Hunter-Lab	58.1436, -29.2648, 10.0110

Details

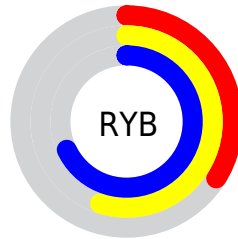
The Yxy color **33.8068, 0.2698, 0.3863** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.0646, 0.3946, 0.2802**, and the grayscale version is **27.7133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6844, 0.2783, 0.3738**, and **14.4180, 0.2551, 0.4068** is the 20% darker color. If you saturate the color by 10%, you get **32.8824, 0.2644, 0.4004**, and if you desaturate by 10%, it is **34.9453, 0.2767, 0.3729**.

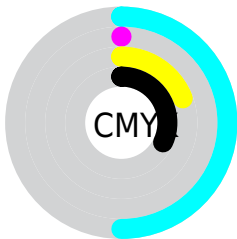
Distribution



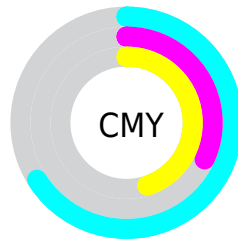
- Red (34%)
- Green (68%)
- Blue (55%)



- Red (34%)
- Yellow (55%)
- Blue (68%)



- Cyan (50%)
- Magenta (0%)
- Yellow (19%)
- Black (32%)





- Cyan (66%)
- Magenta (32%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8068, 0.2698, 0.3863 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 33.8068, 0.2698, 0.3863 by changing the saturation by 10% instead.


 33.8068, 0.2698,
0.3863


 33.8068, 0.2698,
0.3863


319.2697, 0.2929,
0.3551


 22.7452, 0.2635,
0.3951


 65.6331, 0.2786,
0.3743


 14.4055, 0.2550,
0.4070


 87.1666, 0.2818,
0.3700

 8.4032, 0.2430,
0.4241


 112.9596, 0.2844,
0.3664

 4.3540, 0.2248,
0.4505

 143.3964, 0.2866,
0.3634

 1.8735, 0.1933,
0.4973

178.8614, 0.2885,
0.3609

 0.5324, 0.0000,
1.0000

219.7390, 0.2902,

 0.0000, 0.0000,

0.3587

0.0000

266.4137, 0.2916,
0.3568

■ 33.8068, 0.2698,
0.3863

■ 33.8068, 0.2698,
0.3863

■ 32.8824, 0.2644,
0.4004

■ 34.9453, 0.2767,
0.3729

■ 32.1533, 0.2607,
0.4150

■ 36.3071, 0.2848,
0.3603

■ 31.6042, 0.2589,
0.4298


■ 37.9057, 0.2937,
0.3488


■ 31.2156, 0.2591,
0.4444

■ 39.7523, 0.3032,
0.3382

■ 30.9471, 0.2609,
0.4588

■ 41.8575, 0.3130,
0.3287

 30.9392, 0.2609,
0.4593

 44.2311, 0.3230,
0.3202

 46.8825, 0.3329,
0.3127

 49.8206, 0.3426,
0.3060

 53.0540, 0.3520,
0.3002

Harmonies

Analogous

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



33.8068, 0.3217, 0.4228



33.8068, 0.2698, 0.3863



33.8068, 0.2316, 0.3315

Triad

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



33.8068, 0.2698, 0.3863



33.8068, 0.2492, 0.2426



33.8068, 0.4217, 0.3608

Complementary

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



33.8068, 0.2698, 0.3863



17.0646, 0.3946, 0.2802

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.



33.8068, 0.3996, 0.3180



33.8068, 0.2698, 0.3863



33.8068, 0.2960, 0.2531

Square

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



33.8068, 0.2698, 0.3863



33.8068, 0.2210, 0.2516



33.8068, 0.3519, 0.2800



33.8068, 0.4111, 0.4005

Rectangle

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



33.8068, 0.2698, 0.3863



33.8068, 0.2178, 0.2968



33.8068, 0.3519, 0.2800



33.8068, 0.4179, 0.3465

Sweetspot

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



33.8082, 0.2698, 0.3863



69.2967, 0.2978, 0.3440



34.6706, 0.3339, 0.4704



14.9167, 0.2959, 0.3462



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.



33.8082, 0.2698, 0.3863



58.6949, 0.2638, 0.4024



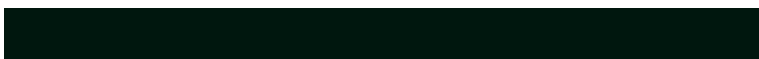
31.7404, 0.2460, 0.3145



9.0192, 0.3036, 0.3378



22.7418, 0.2605, 0.4578



0.6429, 0.2483, 0.4140

Inverse Universe

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



17.0646, 0.3946, 0.2802



25.1191, 0.4248, 0.2713



17.8732, 0.4423, 0.3422



8.0643, 0.3228, 0.3203



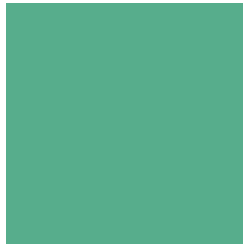
6.8296, 0.5405, 0.2751



0.2009, 0.4593, 0.2304

Previews

White Background



This preview shows how the Yxy color 33.8068, 0.2698, 0.3863 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 33.8068, 0.2698, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

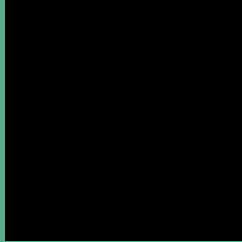
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8068, 0.2698, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 33.8068, 0.2698, 0.3863.



This preview shows how white text looks on a background with the Yxy color 33.8068, 0.2698, 0.3863.

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

33.8068, 0.2698, 0.3863

Protanopia

33.4150, 0.3455, 0.3665

Deuteranopia

33.4077, 0.3445, 0.3377



Tritanopia

33.6263, 0.2489, 0.3065

Trichromacy



Original Color

33.8068, 0.2698, 0.3863

Protanomaly

32.8803, 0.3134, 0.3742

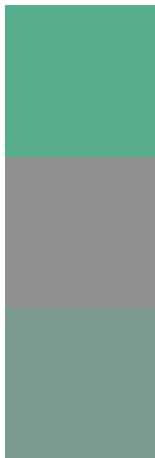
Deuteranomaly

32.7087, 0.3125, 0.3542

Tritanomaly

33.5620, 0.2565, 0.3338

Monochromacy



Original Color

33.8068, 0.2698, 0.3863

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.6368, 0.2927, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8068, 0.2698, 0.3863 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(87, 173, 140)` looks like.

```
.text, #text, p{  
    color:rgb(87, 173, 140)  
}
```

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(87, 173, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 173, 140) }
```

Border

The CSS property to change the border of an element to Yxy 33.8068, 0.2698, 0.3863 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(87, 173, 140) }
```

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

```
.border{ border-color:rgb(87, 173, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 173, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 173, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 173, 140);  
box-shadow:4px 4px 4px 4px rgb(87, 173,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8068, 0.2698, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 173, 140) }
```

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

```
.background{ background-color: rgb(87, 173,  
140) }
```

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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