

Converting Colors

$Yxy(33.6807, 0.3001, 0.3478)$

Have a look what the booklet for
Yxy(33.6807, 0.3001, 0.3478)
contains.

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Color

Yxy(33.8320, 0.2998, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	8AA397
RGB	138, 163, 151
RGB Percent	54%, 64%, 59%
CMY	0.4589, 0.3608, 0.4078
CMYK	0.15, 0.00, 0.07, 0.36
HSL	151°, 12%, 59%
HSV	151°, 15%, 64%
XYZ	29.1628, 33.8320, 34.2795
YIQ	154.1570, -11.0480, -9.0320

Conversions

Conversions Part 2

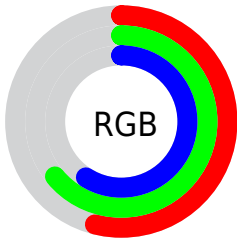
Format	Color
RYB	138, 154, 163
Decimal	9085847
CIELab	64.83, -11.16, 3.30
CIELCh	65, 11.643, 163.519
Yxy	33.8320, 0.2998, 0.3478
Android (android.graphics.Color)	4287275927 (0xFF8AA397)
YUV	154.1570, -1.5564, -14.1697
Hunter-Lab	58.1653, -12.2931, 5.7734

Details

The Yxy color **33.8320, 0.2998, 0.3478** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.1591, 0.3279, 0.3109**, and the grayscale version is **32.3975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7571, 0.3028, 0.3443**, and **14.3637, 0.2960, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **32.3007, 0.2918, 0.3618**, and if you desaturate by 10%, it is **35.5916, 0.3082, 0.3352**.

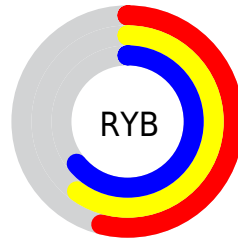
Distribution



Red (54%)

Green (64%)

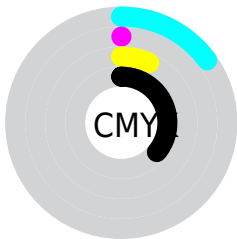
Blue (59%)



Red (54%)

Yellow (60%)

Blue (64%)

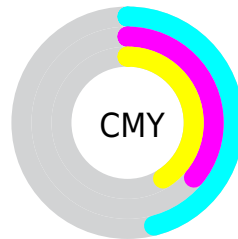


Cyan (15%)

Magenta (0%)

Yellow (7%)

Black (36%)



Cyan (46%)


Magenta (36%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8320, 0.2998, 0.3478 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 33.8320, 0.2998, 0.3478 by changing the saturation by 10% instead.


 33.8320, 0.2998,
0.3478


 33.8320, 0.2998,
0.3478


319.3823, 0.3067,
0.3378


 22.7646, 0.2979,
0.3505

 65.6723, 0.3024,
0.3440

 14.4198, 0.2955,
0.3542


 87.2140, 0.3033,
0.3426

 8.4132, 0.2920,
0.3594


 113.0159, 0.3041,
0.3415

 4.3605, 0.2867,
0.3672

143.4624, 0.3048,
0.3405

 1.8772, 0.2779,
0.3804

178.9379, 0.3054,
0.3397

 0.5346, 0.2101,
0.4768

219.8268, 0.3059,

 0.0000, 0.0000,

0.3390

0.0000

266.5134, 0.3063,
0.3383

■ 33.8320, 0.2998,
0.3478

■ 33.8320, 0.2998,
0.3478

■ 32.3007, 0.2918,
0.3618

■ 35.5916, 0.3082,
0.3352

■ 30.9838, 0.2844,
0.3770

■ 37.5843, 0.3167,
0.3239

■ 29.8725, 0.2779,
0.3935

■ 39.8200, 0.3252,
0.3139

■ 28.9557, 0.2727,
0.4111

■ 42.3066, 0.3335,
0.3051

■ 28.2210, 0.2689,
0.4293

■ 45.0521, 0.3416,
0.2973

■ 27.6546, 0.2670,
0.4478

■ 48.0636, 0.3494,
0.2905

■ 27.2410, 0.2670,
0.4662

■ 51.3482, 0.3568,
0.2846

■ 26.9598, 0.2689,
0.4839

■ 52.2852, 0.3522,
0.2773

■ 26.8518, 0.2700,
0.4920

■ 52.6925, 0.3452,
0.2697

Harmonies

Analogous

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



33.8320, 0.3178, 0.3585



33.8320, 0.2998, 0.3478



33.8320, 0.2855, 0.3317

Triad

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



33.8320, 0.2998, 0.3478



33.8320, 0.2905, 0.2986



33.8320, 0.3482, 0.3410

Complementary

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



33.8320, 0.2998, 0.3478



28.1591, 0.3279, 0.3109

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.



33.8320, 0.3405, 0.3255



33.8320, 0.2998, 0.3478



33.8320, 0.3068, 0.3015

Square

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



33.8320, 0.2998, 0.3478



33.8320, 0.2803, 0.3034



33.8320, 0.3252, 0.3112



33.8320, 0.3461, 0.3539

Rectangle

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



33.8320, 0.2998, 0.3478



33.8320, 0.2799, 0.3205



33.8320, 0.3252, 0.3112



33.8320, 0.3467, 0.3359

Sweetspot

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



33.8334, 0.2998, 0.3478



63.8236, 0.3084, 0.3349



34.5225, 0.3224, 0.3676



14.2841, 0.3078, 0.3357



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.8334, 0.2998, 0.3478



59.7279, 0.2974, 0.3518



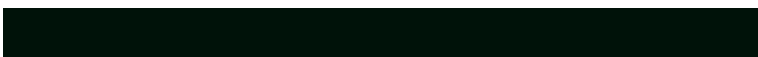
34.0951, 0.2900, 0.3283



7.9538, 0.3049, 0.3400



20.8761, 0.2696, 0.4905



0.4481, 0.2516, 0.4257

Inverse Universe

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



28.1591, 0.3279, 0.3109



47.8416, 0.3314, 0.3073



27.9125, 0.3406, 0.3297



7.1398, 0.3213, 0.3183



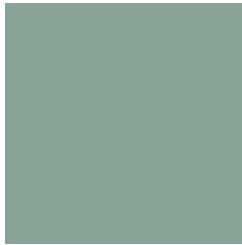
6.4889, 0.5007, 0.2532



0.1459, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 33.8320, 0.2998, 0.3478 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 33.8320, 0.2998, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

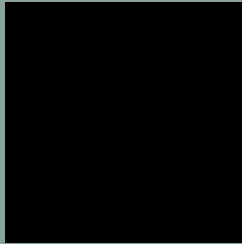
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

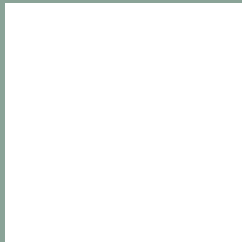
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8320, 0.2998, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 33.8320, 0.2998, 0.3478.



This preview shows how white text looks on a background with the Yxy color 33.8320, 0.2998, 0.3478.

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

33.8320, 0.2998, 0.3478

Protanopia

33.5649, 0.3271, 0.3425

Deuteranopia

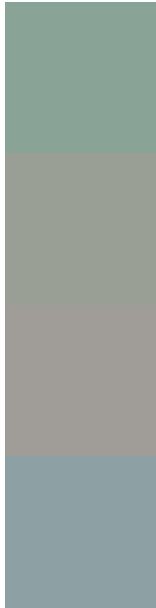
33.6406, 0.3332, 0.3276



Tritanopia

33.9095, 0.2853, 0.3094

Trichromacy



Original Color

33.8320, 0.2998, 0.3478

Protanomaly

33.7067, 0.3168, 0.3458

Deuteranomaly

33.5175, 0.3204, 0.3350

Tritanomaly

33.8691, 0.2909, 0.3228

Monochromacy



Original Color

33.8320, 0.2998, 0.3478

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7097, 0.3076, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8320, 0.2998, 0.3478 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(138, 163, 151)` looks like.

```
.text, #text, p{  
    color:rgb(138, 163, 151)  
}
```

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(138, 163, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 163, 151) }
```

Border

The CSS property to change the border of an element to Yxy 33.8320, 0.2998, 0.3478 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(138, 163, 151) }
```

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

```
.border{ border-color:rgb(138, 163, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 163, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 163, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 163, 151);  
box-shadow:4px 4px 4px 4px rgb(138, 163,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8320, 0.2998, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 163, 151) }
```

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

```
.background{ background-color: rgb(138,  
163, 151) }
```

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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