

Converting Colors

$Y_{xy}(33.8659, 0.2775, 0.3540)$

Have a look what the booklet for
Yxy(33.8659, 0.2775, 0.3540)
contains.

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Color

Yxy(33.8159, 0.2777, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	71A899
RGB	113, 168, 153
RGB Percent	44%, 66%, 60%
CMY	0.5570, 0.3411, 0.4000
CMYK	0.33, 0.00, 0.09, 0.34
HSL	164°, 24%, 55%
HSV	164°, 33%, 66%
XYZ	26.5573, 33.8159, 35.2600
YIQ	149.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

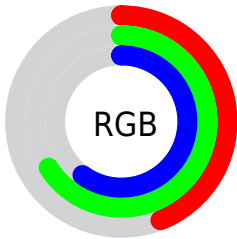
Format	Color
RYB	113, 145, 168
Decimal	7448729
CIELab	64.82, -21.47, 2.00
CIElCh	65, 21.560, 174.688
Yxy	33.8159, 0.2777, 0.3536
Android (android.graphics.Color)	4285638809 (0xFF71A899)
YUV	149.8450, 1.5554, -32.3131
Hunter-Lab	58.1514, -20.2454, 4.7557

Details

The Yxy color **33.8159, 0.2777, 0.3536** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.6844, 0.3661, 0.3060**, and the grayscale version is **30.4287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3873, 0.2845, 0.3485**, and **14.4742, 0.2664, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **32.6561, 0.2689, 0.3625**, and if you desaturate by 10%, it is **35.1905, 0.2876, 0.3453**.

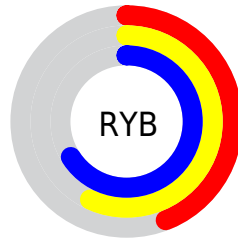
Distribution



Red (44%)

Green (66%)

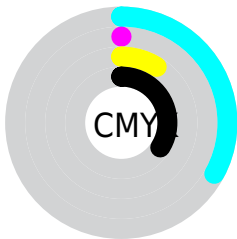
Blue (60%)



Red (44%)

Yellow (57%)

Blue (66%)

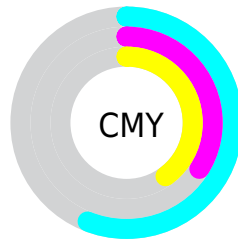


Cyan (33%)

Magenta (0%)

Yellow (9%)

Black (34%)



Cyan (56%)


Magenta (34%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8159, 0.2777, 0.3536 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 33.8159, 0.2777, 0.3536 by changing the saturation by 10% instead.


 33.8159, 0.2777,
0.3536


 33.8159, 0.2777,
0.3536


319.3104, 0.2962,
0.3405


 22.7522, 0.2728,
0.3571


 65.6473, 0.2847,
0.3487


 14.4106, 0.2662,
0.3619


 87.1837, 0.2872,
0.3469

 8.4068, 0.2570,
0.3685


 112.9799, 0.2893,
0.3454

 4.3564, 0.2435,
0.3785

 143.4202, 0.2911,
0.3441

 1.8748, 0.2213,
0.3951

178.8890, 0.2926,
0.3430

 0.5332, 0.0000,
0.5473

219.7707, 0.2940,

 0.0000, 0.0000,

0.3421

0.0000

266.4497, 0.2951,
0.3413

■ 33.8159, 0.2777,
0.3536

■ 33.8159, 0.2777,
0.3536

■ 32.6561, 0.2689,
0.3625

■ 35.1905, 0.2876,
0.3453

■ 31.6956, 0.2614,
0.3719

■ 36.7865, 0.2983,
0.3377

■ 30.9230, 0.2555,
0.3817


■ 38.6149, 0.3095,
0.3308


■ 30.3245, 0.2515,
0.3917


■ 40.6852, 0.3211,
0.3246

■ 29.8840, 0.2494,
0.4019


■ 43.0061, 0.3327,
0.3190


 29.5823, 0.2492,
0.4120

 45.5859, 0.3442,
0.3141

 29.4193, 0.2498,
0.4193

 48.4325, 0.3554,
0.3097

 51.5536, 0.3664,
0.3059

 53.1761, 0.3689,
0.3018

Harmonies

Analogous

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



33.8159, 0.3087, 0.3794



33.8159, 0.2777, 0.3536



33.8159, 0.2567, 0.3212

Triad

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



33.8159, 0.2777, 0.3536



33.8159, 0.2818, 0.2746



33.8159, 0.3796, 0.3594

Complementary

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



33.8159, 0.2777, 0.3536



21.6844, 0.3661, 0.3060

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.



33.8159, 0.3720, 0.3321



33.8159, 0.2777, 0.3536



33.8159, 0.3139, 0.2849

Square

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



33.8159, 0.2777, 0.3536



33.8159, 0.2589, 0.2772



33.8159, 0.3474, 0.3055



33.8159, 0.3682, 0.3808

Rectangle

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



33.8159, 0.2777, 0.3536



33.8159, 0.2505, 0.3017



33.8159, 0.3474, 0.3055



33.8159, 0.3792, 0.3506

Sweetspot

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



33.8173, 0.2777, 0.3536



67.5602, 0.3012, 0.3359



33.8335, 0.3223, 0.4199



14.6319, 0.2997, 0.3368



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.8173, 0.2777, 0.3536



59.8534, 0.2714, 0.3597



30.1403, 0.2646, 0.3094



8.4966, 0.3022, 0.3352



22.2216, 0.2495, 0.4182



0.5486, 0.2403, 0.3851

Inverse Universe

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



21.6844, 0.3661, 0.3060



34.5322, 0.3826, 0.3010



24.1554, 0.3806, 0.3477



7.5747, 0.3245, 0.3229



6.4422, 0.5814, 0.2976



0.1652, 0.4907, 0.2477

Previews

White Background



This preview shows how the Yxy color 33.8159, 0.2777, 0.3536 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 33.8159, 0.2777, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

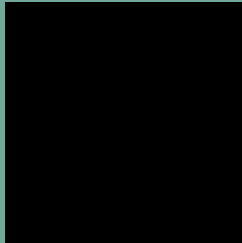
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

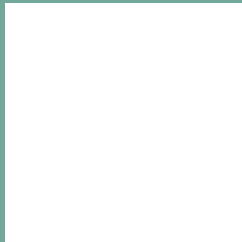
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8159, 0.2777, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 33.8159, 0.2777, 0.3536.

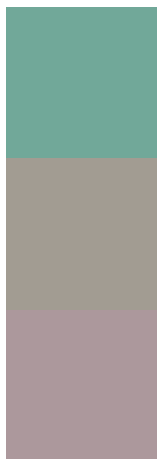


This preview shows how white text looks on a background with the Yxy color 33.8159, 0.2777, 0.3536.

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

33.8159, 0.2777, 0.3536

Protanopia

33.5336, 0.3280, 0.3440

Deuteranopia

33.6274, 0.3292, 0.3233



Tritanopia

33.6872, 0.2636, 0.3071

Trichromacy



Original Color

33.8159, 0.2777, 0.3536

Protanomaly

33.2408, 0.3072, 0.3461

Deuteranomaly

33.3996, 0.3086, 0.3336

Tritanomaly

33.5567, 0.2686, 0.3225

Monochromacy



Original Color

33.8159, 0.2777, 0.3536

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.6667, 0.2989, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8159, 0.2777, 0.3536 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(113, 168, 153)` looks like.

```
.text, #text, p{  
    color:rgb(113, 168, 153)  
}
```

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(113, 168, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 168, 153) }
```

Border

The CSS property to change the border of an element to Yxy 33.8159, 0.2777, 0.3536 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(113, 168, 153) }
```

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

```
.border{ border-color:rgb(113, 168, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 168, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 168, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 168, 153);  
box-shadow:4px 4px 4px 4px rgb(113, 168,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8159, 0.2777, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 168, 153) }
```

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

```
.background{ background-color: rgb(113,  
168, 153) }
```

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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