

Converting Colors

$Y_{xy}(33.2539, 0.2648, 0.3288)$

Have a look what the booklet for
Yxy(33.2539, 0.2648, 0.3288)
contains.

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Color

Yxy(33.2768, 0.2651, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	6DA6A6
RGB	109, 166, 166
RGB Percent	43%, 65%, 65%
CMY	0.5727, 0.3490, 0.3491
CMYK	0.34, 0.00, 0.00, 0.35
HSL	180°, 24%, 54%
HSV	180°, 34%, 65%
XYZ	26.8218, 33.2768, 41.0775
YIQ	148.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

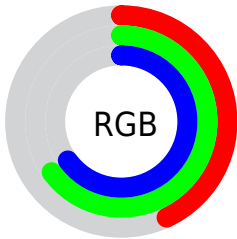
Format	Color
RYB	109, 138, 166
Decimal	7186086
CIELab	64.38, -18.53, -5.92
CIELCh	64, 19.449, 197.724
Yxy	33.2768, 0.2651, 0.3289
Android (android.graphics.Color)	4285376166 (0xFF6DA6A6)
YUV	148.9570, 8.4022, -35.0423
Hunter-Lab	57.6860, -17.9550, -1.8394

Details

The Yxy color **33.2768, 0.2651, 0.3289** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.1435, 0.3915, 0.3292**, and the grayscale version is **30.0083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7199, 0.2745, 0.3289**, and **14.1194, 0.2502, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **32.3229, 0.2541, 0.3289**, and if you desaturate by 10%, it is **34.4322, 0.2776, 0.3289**.

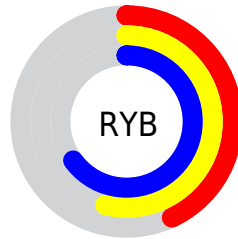
Distribution



Red (43%)

Green (65%)

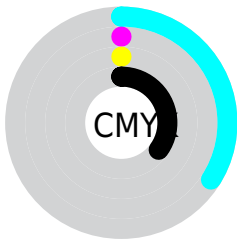
Blue (65%)



Red (43%)

Yellow (54%)

Blue (65%)

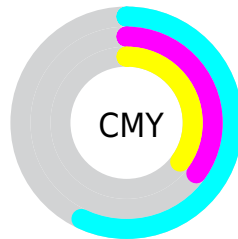


Cyan (34%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (57%)

Magenta (35%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2768, 0.2651, 0.3289 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 33.2768, 0.2651, 0.3289 by changing the saturation by 10% instead.


 33.2768, 0.2651,
0.3289


 33.2768, 0.2651,
0.3289


316.8952, 0.2899,
0.3293

 22.3386, 0.2586,
0.3286


 64.8074, 0.2744,
0.3292

 14.1059, 0.2500,
0.3282


 86.1686, 0.2778,
0.3292

 8.1944, 0.2381,
0.3274


 111.7730, 0.2806,
0.3293

 4.2196, 0.2210,
0.3258

 142.0048, 0.2831,
0.3293

 1.7971, 0.1939,
0.3223

177.2486, 0.2851,
0.3293

 0.4854, 0.0063,
0.3378

217.8886, 0.2869,

 0.0000, 0.0000,

0.3293

0.0000

264.3093, 0.2885,
0.3293

■ 33.2768, 0.2651,
0.3289

■ 33.2768, 0.2651,
0.3289

■ 32.3229, 0.2541,
0.3289

■ 34.4322, 0.2776,
0.3289

■ 31.5552, 0.2447,
0.3289

■ 35.7954, 0.2914,
0.3290

■ 30.9628, 0.2372,
0.3289

■ 37.3775, 0.3061,
0.3290

■ 30.5319, 0.2315,
0.3289


■ 39.1874, 0.3215,
0.3290

■ 30.2465, 0.2277,
0.3289

■ 41.2336, 0.3372,
0.3291

 30.0874, 0.2255,
0.3289

 43.5242, 0.3531,
0.3291

 30.0268, 0.2247,
0.3289

 46.0670, 0.3689,
0.3291

 48.8693, 0.3844,
0.3292

 51.2912, 0.3964,
0.3292

Harmonies

Analogous

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



33.2768, 0.2869, 0.3576



33.2768, 0.2651, 0.3289



33.2768, 0.2557, 0.3020

Triad

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



33.2768, 0.2651, 0.3289



33.2768, 0.3067, 0.2856



33.2768, 0.3669, 0.3725

Complementary

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



33.2768, 0.2651, 0.3289



20.1435, 0.3915, 0.3292

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.



33.2768, 0.3733, 0.3514



33.2768, 0.2651, 0.3289



33.2768, 0.3376, 0.3026

Square

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



33.2768, 0.2651, 0.3289



33.2768, 0.2788, 0.2788



33.2768, 0.3624, 0.3261



33.2768, 0.3457, 0.3831

Rectangle

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



33.2768, 0.2651, 0.3289



33.2768, 0.2574, 0.2889



33.2768, 0.3624, 0.3261



33.2768, 0.3709, 0.3663

Sweetspot

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



33.2781, 0.2651, 0.3289



66.1053, 0.2974, 0.3290



31.6897, 0.3088, 0.4289



14.7081, 0.2954, 0.3290



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.



33.2781, 0.2651, 0.3289



59.0716, 0.2568, 0.3289



24.3070, 0.2590, 0.2818



8.5320, 0.2987, 0.3290



23.2813, 0.2247, 0.3289



0.5665, 0.2247, 0.3288

Inverse Universe

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



20.1435, 0.3915, 0.3292



31.6776, 0.4172, 0.3293



26.9726, 0.3771, 0.3717



7.5424, 0.3286, 0.3290



6.2867, 0.6400, 0.3299



0.1530, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 33.2768, 0.2651, 0.3289 looks on a white background.

Color Contrast Check

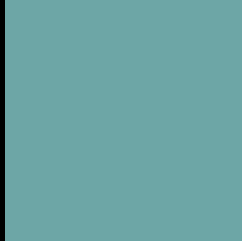
Large Text (above 18pt) WCAG AA × Fail

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 33.2768, 0.2651, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

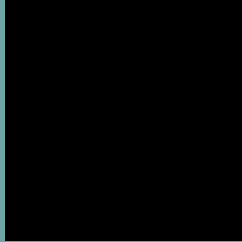
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2768, 0.2651, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 33.2768, 0.2651, 0.3289.

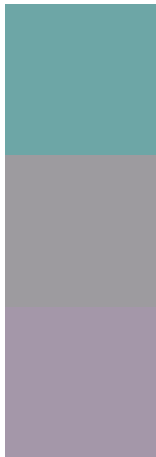


This preview shows how white text looks on a background with the Yxy color 33.2768, 0.2651, 0.3289.

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

33.2768, 0.2651, 0.3289

Protanopia

33.1140, 0.3110, 0.3230

Deuteranopia

32.8903, 0.3090, 0.3030



Tritanopia

33.1700, 0.2593, 0.3083

Trichromacy



Original Color

33.2768, 0.2651, 0.3289

Protanomaly

32.9804, 0.2924, 0.3243

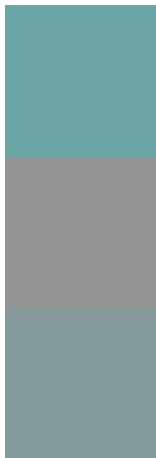
Deuteranomaly

32.5334, 0.2909, 0.3107

Tritanomaly

33.3069, 0.2615, 0.3161

Monochromacy



Original Color

33.2768, 0.2651, 0.3289

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.8776, 0.2926, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2768, 0.2651, 0.3289 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(109, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(109, 166, 166)  
}
```

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(109, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 166, 166) }
```

Border

The CSS property to change the border of an element to Yxy 33.2768, 0.2651, 0.3289 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(109, 166, 166) }
```

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

```
.border{ border-color:rgb(109, 166, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 166, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(109, 166,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2768, 0.2651, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 166, 166) }
```

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

```
.background{ background-color: rgb(109,  
166, 166) }
```

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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