

Converting Colors

$Y_{xy}(33.4063, 0.2588, 0.3221)$

Have a look what the booklet for
Yxy(33.4063, 0.2588, 0.3221)
contains.

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Color

Yxy(33.5208, 0.2585, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	68A7AB
RGB	104, 167, 171
RGB Percent	41%, 65%, 67%
CMY	0.5922, 0.3451, 0.3295
CMYK	0.39, 0.02, 0.00, 0.33
HSL	184°, 29%, 54%
HSV	184°, 39%, 67%
XYZ	26.8769, 33.5208, 43.5750
YIQ	148.6190, -38.8320, -12.1120

Conversions

Conversions Part 2

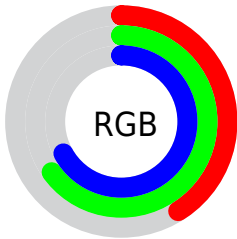
Format	Color
RYB	104, 136, 171
Decimal	6858667
CIELab	64.58, -19.15, -8.45
CIELCh	65, 20.929, 203.825
Yxy	33.5208, 0.2585, 0.3224
Android (android.graphics.Color)	4285048747 (0xFF68A7AB)
YUV	148.6190, 11.0338, -39.1309
Hunter-Lab	57.8972, -18.4570, -4.0953

Details

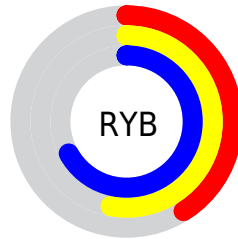
The Yxy color **33.5208, 0.2585, 0.3224** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3771, 0.4057, 0.3354**, and the grayscale version is **29.8518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0026, 0.2689, 0.3240**, and **14.2972, 0.2418, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **32.2295, 0.2476, 0.3205**, and if you desaturate by 10%, it is **35.0251, 0.2708, 0.3242**.

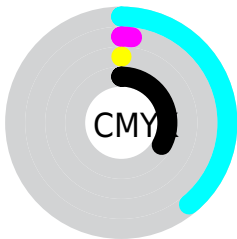
Distribution



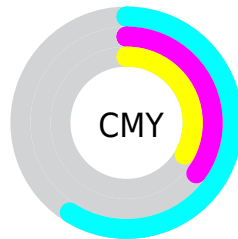
- Red (41%)
- Green (65%)
- Blue (67%)



- Red (41%)
- Yellow (53%)
- Blue (67%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)




- Cyan (59%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5208, 0.2585, 0.3224 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 33.5208, 0.2585, 0.3224 by changing the saturation by 10% instead.

 33.5208, 0.2585,
0.3224


 33.5208, 0.2585,
0.3224


317.9900, 0.2866,
0.3264

 22.5257, 0.2512,
0.3211


 65.1878, 0.2690,
0.3240


 14.2437, 0.2415,
0.3193


 86.6285, 0.2728,
0.3246

 8.2904, 0.2284,
0.3166

 112.3198, 0.2761,
0.3251

 4.2813, 0.2095,
0.3121

 142.6462, 0.2788,
0.3254

 1.8321, 0.1802,
0.3035

177.9920, 0.2812,
0.3257

 0.5071, 0.0087,
0.3025

218.7416, 0.2832,

 0.0000, 0.0000,

0.3260

0.0000

265.2795, 0.2850,
0.3262

■ 33.5208, 0.2585,
0.3224

■ 33.5208, 0.2585,
0.3224

■ 32.2295, 0.2476,
0.3205

■ 35.0251, 0.2708,
0.3242

■ 31.1347, 0.2385,
0.3185

■ 36.7500, 0.2844,
0.3260

■ 30.2237, 0.2311,
0.3165


■ 38.7076, 0.2989,
0.3276

■ 29.4805, 0.2257,
0.3145


■ 40.9078, 0.3140,
0.3291

■ 28.8867, 0.2220,
0.3126


■ 43.3602, 0.3295,
0.3305


 28.4058, 0.2198,
0.3106

 46.0736, 0.3451,
0.3317

 28.3675, 0.2196,
0.3105

 49.0565, 0.3606,
0.3328

 52.3169, 0.3758,
0.3338

 55.3109, 0.3881,
0.3347

Harmonies

Analogous

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



33.5208, 0.2794, 0.3538



33.5208, 0.2585, 0.3224



33.5208, 0.2516, 0.2951

Triad

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



33.5208, 0.2585, 0.3224



33.5208, 0.3130, 0.2856



33.5208, 0.3673, 0.3790

Complementary

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



33.5208, 0.2585, 0.3224



20.3771, 0.4057, 0.3354

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.



33.5208, 0.3779, 0.3580



33.5208, 0.2585, 0.3224



33.5208, 0.3456, 0.3054

Square

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



33.5208, 0.2585, 0.3224



33.5208, 0.2818, 0.2758



33.5208, 0.3699, 0.3313



33.5208, 0.3421, 0.3875

Rectangle

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



33.5208, 0.2585, 0.3224



33.5208, 0.2555, 0.2828



33.5208, 0.3699, 0.3313



33.5208, 0.3728, 0.3731

Sweetspot

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



33.5221, 0.2585, 0.3224



68.2252, 0.2944, 0.3271



33.1330, 0.3048, 0.4402



15.1149, 0.2925, 0.3269



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.



33.5221, 0.2585, 0.3224



58.0213, 0.2490, 0.3207



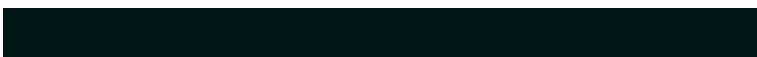
22.9727, 0.2501, 0.2659



8.9893, 0.2986, 0.3276



21.4158, 0.2196, 0.3107



0.6198, 0.2213, 0.3166

Inverse Universe

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



21.3471, 0.3218, 0.2392



33.3040, 0.3241, 0.2209



28.6594, 0.3862, 0.3844



8.1397, 0.3146, 0.3080



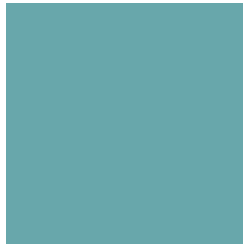
8.4650, 0.3361, 0.1625



0.2379, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 33.5208, 0.2585, 0.3224 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 33.5208, 0.2585, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

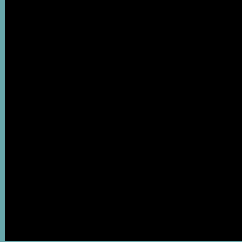
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5208, 0.2585, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 33.5208, 0.2585, 0.3224.

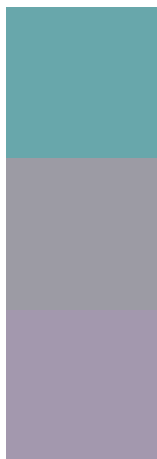


This preview shows how white text looks on a background with the Yxy color 33.5208, 0.2585, 0.3224.

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

33.5208, 0.2585, 0.3224

Protanopia

33.1909, 0.3056, 0.3156

Deuteranopia

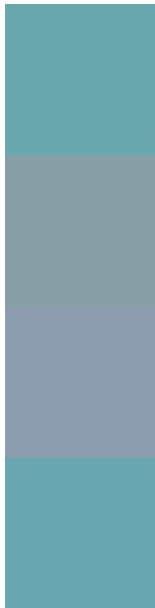
33.2990, 0.3035, 0.2974



Tritanopia

33.5913, 0.2543, 0.3082

Trichromacy



Original Color

33.5208, 0.2585, 0.3224

Protanomaly

32.9047, 0.2856, 0.3166

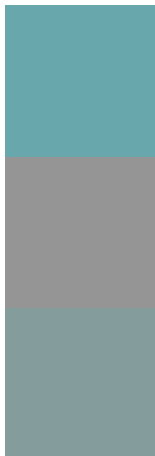
Deuteranomaly

32.8819, 0.2850, 0.3047

Tritanomaly

33.4103, 0.2556, 0.3129

Monochromacy



Original Color

33.5208, 0.2585, 0.3224

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.1978, 0.2901, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5208, 0.2585, 0.3224 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(104, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(104, 167, 171)  
}
```

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(104, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 167, 171) }
```

Border

The CSS property to change the border of an element to Yxy 33.5208, 0.2585, 0.3224 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(104, 167, 171) }
```

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

```
.border{ border-color:rgb(104, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(104, 167,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5208, 0.2585, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 167, 171) }
```

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

```
.background{ background-color: rgb(104,  
167, 171) }
```

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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