

Converting Colors

$Y_{xy}(34.7991, 0.2805, 0.3212)$

Have a look what the booklet for
Yxy(34.7991, 0.2805, 0.3212)
contains.

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Color

Yxy(34.7991, 0.2805, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	85A5AA
RGB	133, 165, 170
RGB Percent	52%, 65%, 67%
CMY	0.4783, 0.3530, 0.3333
CMYK	0.22, 0.03, 0.00, 0.33
HSL	188°, 18%, 59%
HSV	188°, 22%, 67%
XYZ	30.3896, 34.7991, 43.1522
YIQ	156.0020, -20.6770, -5.2290

Conversions

Conversions Part 2

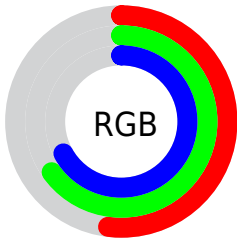
Format	Color
RYB	133, 150, 170
Decimal	8758698
CIELab	65.59, -9.79, -6.23
CIELCh	66, 11.605, 212.480
Yxy	34.7991, 0.2805, 0.3212
Android (android.graphics.Color)	4286948778 (0xFF85A5AA)
YUV	156.0020, 6.9010, -20.1728
Hunter-Lab	58.9908, -11.2779, -2.0775

Details

The Yxy color **34.7991, 0.2805, 0.3212** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4382, 0.3541, 0.3367**, and the grayscale version is **33.2265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1874, 0.2870, 0.3231**, and **14.9121, 0.2697, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **32.7007, 0.2668, 0.3172**, and if you desaturate by 10%, it is **37.1394, 0.2950, 0.3250**.

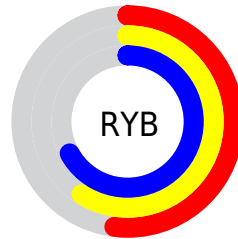
Distribution



Red (52%)

Green (65%)

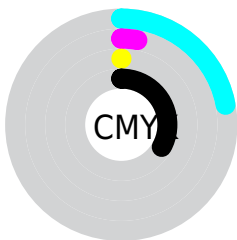
Blue (67%)



Red (52%)

Yellow (59%)

Blue (67%)

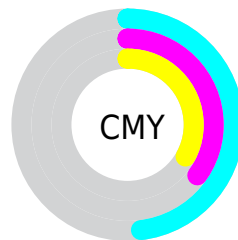


Cyan (22%)

Magenta (3%)

Yellow (0%)

Black (33%)



Cyan (48%)


Magenta (35%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7991, 0.2805, 0.3212 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 34.7991, 0.2805, 0.3212 by changing the saturation by 10% instead.


 34.7991, 0.2805,
0.3212


 34.7991, 0.2805,
0.3212


323.6807, 0.2972,
0.3255


 23.5082, 0.2761,
0.3200


 67.1744, 0.2867,
0.3229

 14.9692, 0.2703,
0.3184


 89.0276, 0.2890,
0.3234

 8.7978, 0.2624,
0.3160


 115.1703, 0.2910,
0.3239

 4.6095, 0.2509,
0.3124

145.9869, 0.2926,
0.3243

 2.0200, 0.2326,
0.3061

181.8619, 0.2940,
0.3247

 0.6191, 0.1675,
0.2968

223.1796, 0.2952,

 0.0000, 0.0000,

0.3250

0.0000

270.3244, 0.2963,
0.3253

■ 34.7991, 0.2805,
0.3212

■ 34.7991, 0.2805,
0.3212

■ 32.7007, 0.2668,
0.3172

■ 37.1394, 0.2950,
0.3250

■ 30.8291, 0.2541,
0.3129

■ 39.7274, 0.3101,
0.3284

■ 29.1740, 0.2429,
0.3084

■ 42.5742, 0.3253,
0.3316

■ 27.7226, 0.2332,
0.3037

■ 45.6885, 0.3406,
0.3344

■ 26.4605, 0.2253,
0.2990

■ 49.0791, 0.3557,
0.3369

■ 25.3715, 0.2193,
0.2943

■ 52.7539, 0.3704,
0.3391

■ 24.4363, 0.2152,
0.2896

■ 56.7209, 0.3847,
0.3411

■ 23.7453, 0.2127,
0.2857

■ 58.2235, 0.3864,
0.3434

■ 59.1873, 0.3856,
0.3458

Harmonies

Analogous

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



34.7991, 0.2904, 0.3378



34.7991, 0.2805, 0.3212



34.7991, 0.2790, 0.3074

Triad

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



34.7991, 0.2805, 0.3212



34.7991, 0.3184, 0.3073



34.7991, 0.3395, 0.3587

Complementary

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



34.7991, 0.2805, 0.3212



28.4382, 0.3541, 0.3367

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.



34.7991, 0.3476, 0.3495



34.7991, 0.2805, 0.3212



34.7991, 0.3353, 0.3200

Square

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



34.7991, 0.2805, 0.3212



34.7991, 0.3005, 0.2999



34.7991, 0.3460, 0.3353



34.7991, 0.3243, 0.3600

Rectangle

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



34.7991, 0.2805, 0.3212



34.7991, 0.2829, 0.3015



34.7991, 0.3460, 0.3353



34.7991, 0.3432, 0.3564

Sweetspot

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



34.8005, 0.2805, 0.3212



69.4839, 0.3019, 0.3266



35.5793, 0.3060, 0.3801



15.4358, 0.3011, 0.3264



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.



34.8005, 0.2805, 0.3212



61.2769, 0.2739, 0.3193



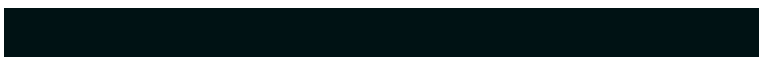
28.6361, 0.2785, 0.2920



8.3557, 0.2987, 0.3259



17.5235, 0.2128, 0.2862



0.4726, 0.2171, 0.3017

Inverse Universe

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



28.0510, 0.3204, 0.2829



46.9731, 0.3223, 0.2727



34.1735, 0.3486, 0.3634



7.6488, 0.3157, 0.3097



7.8401, 0.3578, 0.1745



0.1954, 0.3440, 0.1668

Previews

White Background



This preview shows how the Yxy color 34.7991, 0.2805, 0.3212 looks on a white background.

Color Contrast Check

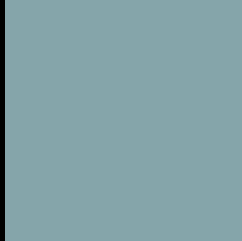
Large Text (above 18pt) WCAG AA × Fail

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 34.7991, 0.2805, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

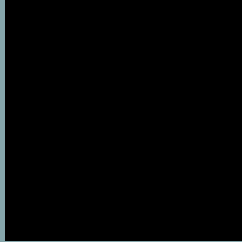
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

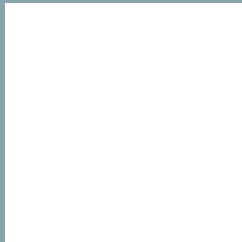
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7991, 0.2805, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 34.7991, 0.2805, 0.3212.



This preview shows how white text looks on a background with the Yxy color 34.7991, 0.2805, 0.3212.

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

34.7991, 0.2805, 0.3212

Protanopia

34.6805, 0.3075, 0.3173

Deuteranopia

34.4146, 0.3100, 0.3035



Tritanopia

34.7936, 0.2759, 0.3092

Trichromacy



Original Color

34.7991, 0.2805, 0.3212

Protanomaly

34.7638, 0.2973, 0.3200

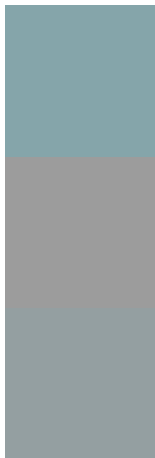
Deuteranomaly

34.3626, 0.2985, 0.3099

Tritanomaly

34.6752, 0.2782, 0.3137

Monochromacy



Original Color

34.7991, 0.2805, 0.3212

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.6654, 0.3006, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7991, 0.2805, 0.3212 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(133, 165, 170)` looks like.

```
.text, #text, p{  
    color:rgb(133, 165, 170)  
}
```

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(133, 165, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 165, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.7991, 0.2805, 0.3212 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(133, 165, 170) }
```

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

```
.border{ border-color:rgb(133, 165, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 165, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 165, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 165, 170);  
box-shadow:4px 4px 4px 4px rgb(133, 165,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7991, 0.2805, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 165, 170) }
```

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

```
.background{ background-color: rgb(133,  
165, 170) }
```

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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