

Converting Colors

$Yxy(34.9523, 0.2753, 0.3208)$

Have a look what the booklet for
Yxy(34.9523, 0.2753, 0.3208)
contains.

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Color

Yxy(34.8402, 0.2751, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	80A6AC
RGB	128, 166, 172
RGB Percent	50%, 65%, 67%
CMY	0.4979, 0.3490, 0.3254
CMYK	0.26, 0.04, 0.00, 0.33
HSL	188°, 21%, 59%
HSV	188°, 26%, 67%
XYZ	29.9892, 34.8402, 44.1825
YIQ	155.3220, -24.5740, -6.1900

Conversions

Conversions Part 2

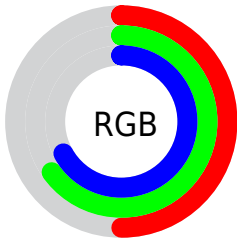
Format	Color
RYB	128, 148, 172
Decimal	8431276
CIELab	65.62, -11.44, -7.34
CIELCh	66, 13.587, 212.680
Yxy	34.8402, 0.2751, 0.3196
Android (android.graphics.Color)	4286621356 (0xFF80A6AC)
YUV	155.3220, 8.2223, -23.9614
Hunter-Lab	59.0256, -12.6042, -3.0625

Details

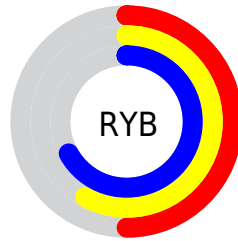
The Yxy color **34.8402, 0.2751, 0.3196** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3969, 0.3635, 0.3382**, and the grayscale version is **32.9029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2040, 0.2827, 0.3219**, and **14.9685, 0.2628, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **32.7700, 0.2617, 0.3154**, and if you desaturate by 10%, it is **37.1551, 0.2894, 0.3235**.

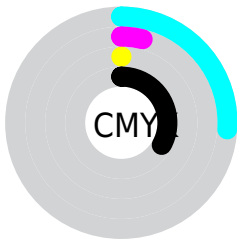
Distribution



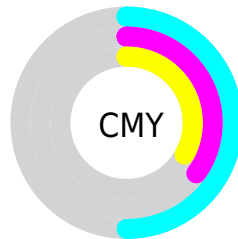
- Red (50%)
- Green (65%)
- Blue (67%)



- Red (50%)
- Yellow (58%)
- Blue (67%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)





- Cyan (50%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8402, 0.2751, 0.3196 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 34.8402, 0.2751, 0.3196 by changing the saturation by 10% instead.


 34.8402, 0.2751,
0.3196


 34.8402, 0.2751,
0.3196


323.8624, 0.2946,
0.3248


 23.5398, 0.2700,
0.3181


 67.2381, 0.2824,
0.3216

 14.9926, 0.2633,
0.3161


 89.1045, 0.2850,
0.3223

 8.8142, 0.2542,
0.3133


 115.2616, 0.2873,
0.3229

 4.6202, 0.2409,
0.3088

146.0938, 0.2892,
0.3234

 2.0262, 0.2200,
0.3011

181.9857, 0.2908,
0.3238

 0.6226, 0.1458,
0.2904

223.3214, 0.2922,

 0.0000, 0.0000,

0.3242

0.0000

270.4856, 0.2935,
0.3245

■ 34.8402, 0.2751,
0.3196

■ 34.8402, 0.2751,
0.3196

■ 32.7700, 0.2617,
0.3154

■ 37.1551, 0.2894,
0.3235

■ 30.9287, 0.2496,
0.3110

■ 39.7210, 0.3043,
0.3271

■ 29.3054, 0.2389,
0.3064

■ 42.5495, 0.3195,
0.3304

■ 27.8862, 0.2299,
0.3017

■ 45.6499, 0.3348,
0.3334

■ 26.6557, 0.2227,
0.2969

■ 49.0313, 0.3500,
0.3360

■ 25.5961, 0.2174,
0.2921

■ 52.7021, 0.3649,
0.3384

■ 24.6847, 0.2139,
0.2874

■ 56.6705, 0.3793,
0.3404

■ 24.3056, 0.2126,
0.2853

■ 58.8691, 0.3842,
0.3427

■ 59.8616, 0.3834,
0.3451

Harmonies

Analogous

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



34.8402, 0.2865, 0.3392



34.8402, 0.2751, 0.3196



34.8402, 0.2734, 0.3035

Triad

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



34.8402, 0.2751, 0.3196



34.8402, 0.3195, 0.3038



34.8402, 0.3439, 0.3638

Complementary

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



34.8402, 0.2751, 0.3196



27.3969, 0.3635, 0.3382

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.



34.8402, 0.3535, 0.3529



34.8402, 0.2751, 0.3196



34.8402, 0.3392, 0.3186

Square

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



34.8402, 0.2751, 0.3196



34.8402, 0.2985, 0.2952



34.8402, 0.3518, 0.3363



34.8402, 0.3260, 0.3654

Rectangle

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



34.8402, 0.2751, 0.3196



34.8402, 0.2780, 0.2968



34.8402, 0.3518, 0.3363



34.8402, 0.3483, 0.3611

Sweetspot

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



34.8416, 0.2751, 0.3196



70.8014, 0.3004, 0.3262



35.8218, 0.3048, 0.3905



15.2355, 0.2982, 0.3257



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.



34.8416, 0.2751, 0.3196



60.8934, 0.2670, 0.3171



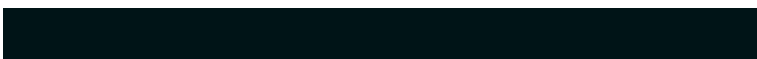
27.5656, 0.2720, 0.2845



8.8823, 0.2986, 0.3258



18.1422, 0.2127, 0.2858



0.5552, 0.2167, 0.3001

Inverse Universe

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



26.9720, 0.3220, 0.2746



44.1993, 0.3246, 0.2618



34.0718, 0.3558, 0.3698



8.1289, 0.3158, 0.3097



8.1345, 0.3582, 0.1747



0.2314, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 34.8402, 0.2751, 0.3196 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 34.8402, 0.2751, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

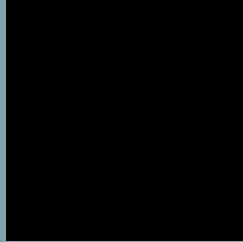
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

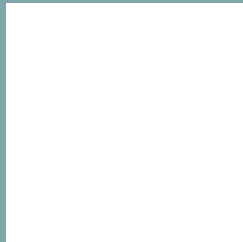
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8402, 0.2751, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 34.8402, 0.2751, 0.3196.

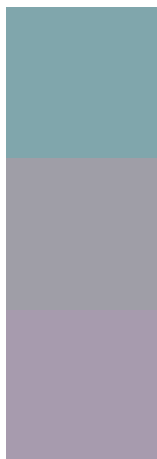


This preview shows how white text looks on a background with the Yxy color 34.8402, 0.2751, 0.3196.

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

34.8402, 0.2751, 0.3196

Protanopia

34.6147, 0.3057, 0.3159

Deuteranopia

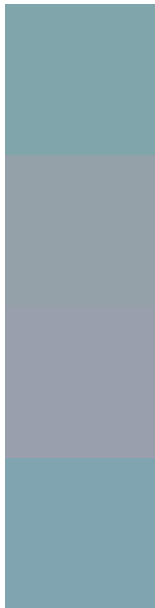
34.7142, 0.3072, 0.3021



Tritanopia

34.7917, 0.2714, 0.3091

Trichromacy



Original Color

34.8402, 0.2751, 0.3196

Protanomaly

34.6502, 0.2939, 0.3170

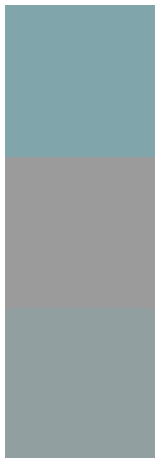
Deuteranomaly

34.5857, 0.2950, 0.3084

Tritanomaly

34.7120, 0.2728, 0.3121

Monochromacy



Original Color

34.8402, 0.2751, 0.3196

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.3892, 0.2978, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8402, 0.2751, 0.3196 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(128, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 172)  
}
```

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(128, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 172) }
```

Border

The CSS property to change the border of an element to Yxy 34.8402, 0.2751, 0.3196 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(128, 166, 172) }
```

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

```
.border{ border-color:rgb(128, 166, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 166, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8402, 0.2751, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 166, 172) }
```

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

```
.background{ background-color: rgb(128,  
166, 172) }
```

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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