

Converting Colors

$Y_{xy}(34.2005, 0.2909, 0.3526)$

Have a look what the booklet for
Yxy(34.2005, 0.2909, 0.3526)
contains.

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Color

Yxy(34.0960, 0.2911, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	80A697
RGB	128, 166, 151
RGB Percent	50%, 65%, 59%
CMY	0.4983, 0.3490, 0.4079
CMYK	0.23, 0.00, 0.09, 0.35
HSL	156°, 18%, 58%
HSV	156°, 23%, 65%
XYZ	28.1171, 34.0960, 34.3761
YIQ	152.9280, -17.8330, -12.7210

Conversions

Conversions Part 2

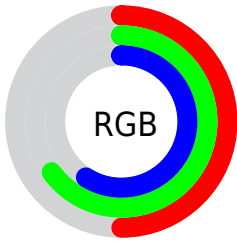
Format	Color
RYB	128, 152, 166
Decimal	8431255
CIELab	65.04, -16.15, 3.54
CIELCh	65, 16.532, 167.646
Yxy	34.0960, 0.2911, 0.3530
Android (android.graphics.Color)	4286621335 (0xFF80A697)
YUV	152.9280, -0.9505, -21.8619
Hunter-Lab	58.3918, -16.2333, 5.9693

Details

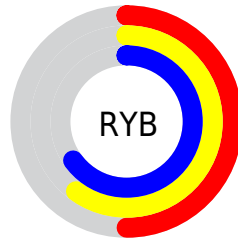
The Yxy color **34.0960, 0.2911, 0.3530** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.5133, 0.3409, 0.3063**, and the grayscale version is **31.8280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9444, 0.2953, 0.3481**, and **14.5744, 0.2844, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **32.7075, 0.2826, 0.3652**, and if you desaturate by 10%, it is **35.7098, 0.3003, 0.3418**.

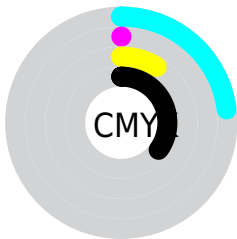
Distribution



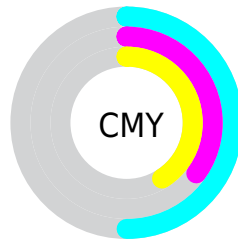
- Red (50%)
- Green (65%)
- Blue (59%)



- Red (50%)
- Yellow (60%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (35%)




- Cyan (50%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0960, 0.2911, 0.3530 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 34.0960, 0.2911, 0.3530 by changing the saturation by 10% instead.

 34.0960, 0.2911,
0.3530


 34.0960, 0.2911,
0.3530

320.5599, 0.3026,
0.3402

 22.9674, 0.2880,
0.3565


 66.0829, 0.2954,
0.3481

 14.5694, 0.2839,
0.3612


 87.7100, 0.2970,
0.3464

 8.5177, 0.2781,
0.3678

 113.6054, 0.2983,
0.3449

 4.4280, 0.2695,
0.3778

144.1534, 0.2994,
0.3437

 1.9157, 0.2551,
0.3948

179.7384, 0.3004,
0.3426

 0.5578, 0.1290,
0.5293

220.7449, 0.3012,

 0.0000, 0.0000,

0.3417

0.0000

267.5573, 0.3019,
0.3409

■ 34.0960, 0.2911,
0.3530

■ 34.0960, 0.2911,
0.3530

■ 32.7075, 0.2826,
0.3652

■ 35.7098, 0.3003,
0.3418

■ 31.5295, 0.2750,
0.3784

■ 37.5543, 0.3099,
0.3318

■ 30.5523, 0.2686,
0.3924

■ 39.6401, 0.3196,
0.3227

■ 29.7634, 0.2638,
0.4071

■ 41.9758, 0.3293,
0.3147

■ 29.1491, 0.2607,
0.4221

■ 44.5696, 0.3389,
0.3076

■ 28.6935, 0.2596,
0.4373

■ 47.4293, 0.3483,
0.3013

■ 28.3780, 0.2605,
0.4523

■ 50.5625, 0.3573,
0.2959

■ 28.2091, 0.2619,
0.4627

■ 52.8687, 0.3609,
0.2904

■ 53.1883, 0.3549,
0.2839

Harmonies

Analogous

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



34.0960, 0.3160, 0.3700



34.0960, 0.2911, 0.3530



34.0960, 0.2724, 0.3292

Triad

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



34.0960, 0.2911, 0.3530



34.0960, 0.2841, 0.2864



34.0960, 0.3636, 0.3482

Complementary

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



34.0960, 0.2911, 0.3530



25.5133, 0.3409, 0.3063

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.



34.0960, 0.3545, 0.3267



34.0960, 0.2911, 0.3530



34.0960, 0.3077, 0.2920

Square

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



34.0960, 0.2911, 0.3530



34.0960, 0.2685, 0.2912



34.0960, 0.3337, 0.3065



34.0960, 0.3585, 0.3659

Rectangle

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



34.0960, 0.2911, 0.3530



34.0960, 0.2657, 0.3135



34.0960, 0.3337, 0.3065



34.0960, 0.3621, 0.3412

Sweetspot

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



34.0974, 0.2911, 0.3530



66.6860, 0.3058, 0.3359



34.6904, 0.3240, 0.3891



14.8807, 0.3053, 0.3364



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.



34.0974, 0.2911, 0.3530



60.4127, 0.2862, 0.3597



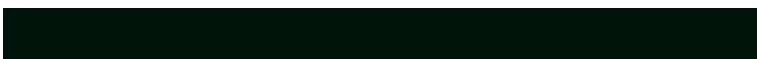
33.2527, 0.2790, 0.3229



8.4812, 0.3037, 0.3381



21.8792, 0.2615, 0.4613



0.5420, 0.2479, 0.4123

Inverse Universe

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



25.5133, 0.3409, 0.3063



41.8057, 0.3498, 0.3004



26.0998, 0.3573, 0.3350



7.5895, 0.3226, 0.3201



6.5955, 0.5358, 0.2725



0.1706, 0.4499, 0.2252

Previews

White Background



This preview shows how the Yxy color 34.0960, 0.2911, 0.3530 looks on a white background.

Color Contrast Check

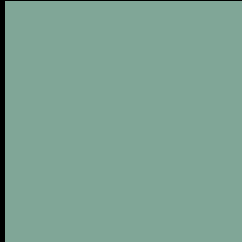
Large Text (above 18pt) WCAG AA × Fail

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 34.0960, 0.2911, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

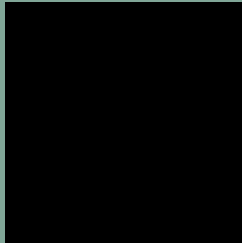
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0960, 0.2911, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 34.0960, 0.2911, 0.3530.



This preview shows how white text looks on a background with the Yxy color 34.0960, 0.2911, 0.3530.

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

34.0960, 0.2911, 0.3530

Protanopia

33.9758, 0.3288, 0.3454

Deuteranopia

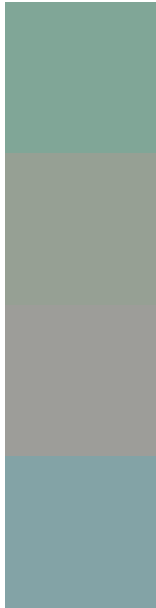
33.7882, 0.3332, 0.3262



Tritanopia

33.9224, 0.2763, 0.3091

Trichromacy



Original Color

34.0960, 0.2911, 0.3530

Protanomaly

33.7638, 0.3138, 0.3474

Deuteranomaly

33.5819, 0.3164, 0.3350

Tritanomaly

33.7729, 0.2817, 0.3242

Monochromacy



Original Color

34.0960, 0.2911, 0.3530

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6500, 0.3046, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0960, 0.2911, 0.3530 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(128, 166, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 166, 151) }
```

Border

The CSS property to change the border of an element to Yxy 34.0960, 0.2911, 0.3530 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, 151) }
```

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

```
.border{ border-color:rgb(128, 166, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 166, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 166, 151);  
box-shadow:4px 4px 4px 4px rgb(128, 166,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0960, 0.2911, 0.3530 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, 151) }
```

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

```
.background{ background-color: rgb(128,  
166, 151) }
```

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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