

Converting Colors

$Y_{xy}(34.7684, 0.2529, 0.3206)$

Have a look what the booklet for
Yxy(34.7684, 0.2529, 0.3206)
contains.

Yxy(34.9131, 0.2531, 0.3208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.9131, 0.2531, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	63ABB0
RGB	99, 171, 176
RGB Percent	39%, 67%, 69%
CMY	0.6118, 0.3294, 0.3097
CMYK	0.44, 0.03, 0.00, 0.31
HSL	184°, 33%, 54%
HSV	184°, 44%, 69%
XYZ	27.5452, 34.9131, 46.3730
YIQ	150.0420, -44.5170, -13.7090

Conversions

Conversions Part 2

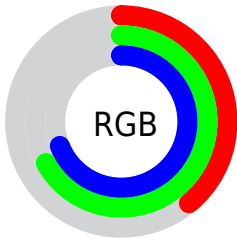
Format	Color
RYB	99, 136, 176
Decimal	6532016
CIELab	65.68, -21.19, -9.65
CIELCh	66, 23.284, 204.474
Yxy	34.9131, 0.2531, 0.3208
Android (android.graphics.Color)	4284722096 (0xFF63ABB0)
YUV	150.0420, 12.7973, -44.7638
Hunter-Lab	59.0873, -20.1900, -5.1710

Details

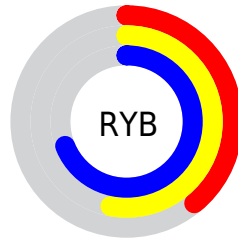
The Yxy color **34.9131, 0.2531, 0.3208** is a light color, and the websafe version is hex **669999**. A complement of this color would be **20.0349, 0.4221, 0.3368**, and the grayscale version is **30.4764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6344, 0.2643, 0.3229**, and **15.1625, 0.2350, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **33.5975, 0.2429, 0.3187**, and if you desaturate by 10%, it is **36.4513, 0.2648, 0.3229**.

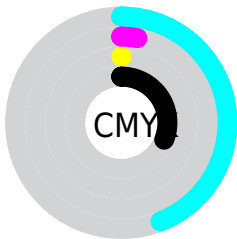
Distribution



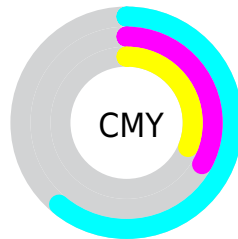
- Red (39%)
- Green (67%)
- Blue (69%)



- Red (39%)
- Yellow (53%)
- Blue (69%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)





- Cyan (61%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9131, 0.2531, 0.3208 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 34.9131, 0.2531, 0.3208 by changing the saturation by 10% instead.


 34.9131, 0.2531,
0.3208


 34.9131, 0.2531,
0.3208


324.1846, 0.2838,
0.3257


 23.5959, 0.2452,
0.3193


 67.3511, 0.2644,
0.3228

 15.0342, 0.2349,
0.3171


 89.2408, 0.2686,
0.3235

 8.8434, 0.2210,
0.3138


 115.4234, 0.2722,
0.3241

 4.6392, 0.2012,
0.3085

 146.2834, 0.2752,
0.3245

 2.0371, 0.1712,
0.2988

182.2051, 0.2778,
0.3249

 0.6289, 0.0379,
0.2960

223.5729, 0.2800,

 0.0000, 0.0000,

0.3252

0.0000

270.7713, 0.2820,
0.3255

■ 34.9131, 0.2531,
0.3208

■ 34.9131, 0.2531,
0.3208

■ 33.5975, 0.2429,
0.3187

■ 36.4513, 0.2648,
0.3229

■ 32.4861, 0.2345,
0.3165

■ 38.2208, 0.2779,
0.3248

■ 31.5645, 0.2280,
0.3143

■ 40.2350, 0.2921,
0.3267

■ 30.8144, 0.2233,
0.3121

■ 42.5049, 0.3070,
0.3284

■ 30.2137, 0.2204,
0.3099

■ 45.0409, 0.3223,
0.3300

■ 29.8850, 0.2191,
0.3086

■ 47.8529, 0.3380,
0.3314

■ 50.9501, 0.3535,
0.3326

■ 54.3414, 0.3689,
0.3338

■ 57.5762, 0.3818,
0.3348

Harmonies

Analogous

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



34.9131, 0.2755, 0.3556



34.9131, 0.2531, 0.3208



34.9131, 0.2460, 0.2911

Triad

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



34.9131, 0.2531, 0.3208



34.9131, 0.3137, 0.2820



34.9131, 0.3721, 0.3841

Complementary

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



34.9131, 0.2531, 0.3208



20.0349, 0.4221, 0.3368

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.



34.9131, 0.3842, 0.3610



34.9131, 0.2531, 0.3208



34.9131, 0.3495, 0.3037

Square

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



34.9131, 0.2531, 0.3208



34.9131, 0.2794, 0.2711



34.9131, 0.3760, 0.3319



34.9131, 0.3440, 0.3934

Rectangle

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



34.9131, 0.2531, 0.3208



34.9131, 0.2504, 0.2780



34.9131, 0.3760, 0.3319



34.9131, 0.3782, 0.3775

Sweetspot

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



34.9145, 0.2531, 0.3208



73.1612, 0.2928, 0.3268



34.6877, 0.3039, 0.4560



15.6742, 0.2897, 0.3264



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.9145, 0.2531, 0.3208



60.8814, 0.2428, 0.3186



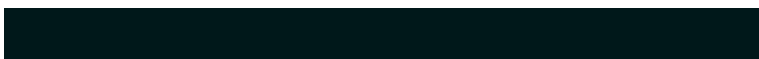
22.7414, 0.2424, 0.2568



9.5348, 0.2986, 0.3275



21.9539, 0.2191, 0.3088



0.7190, 0.2208, 0.3148

Inverse Universe

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



21.0940, 0.3236, 0.2297



32.6882, 0.3265, 0.2094



29.2883, 0.3970, 0.3910



8.6370, 0.3147, 0.3080



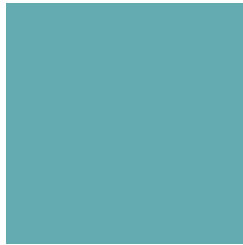
8.7564, 0.3377, 0.1634



0.2784, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 34.9131, 0.2531, 0.3208 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 34.9131, 0.2531, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

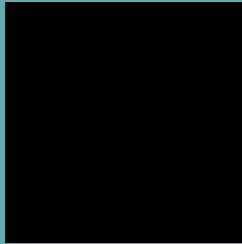
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9131, 0.2531, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 34.9131, 0.2531, 0.3208.

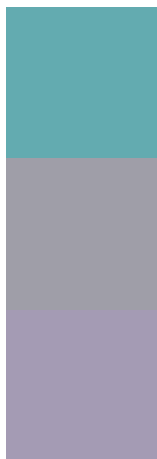


This preview shows how white text looks on a background with the Yxy color 34.9131, 0.2531, 0.3208.

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

34.9131, 0.2531, 0.3208

Protanopia

34.6518, 0.3048, 0.3144

Deuteranopia

34.6305, 0.2991, 0.2937



Tritanopia

34.9768, 0.2491, 0.3069

Trichromacy



Original Color

34.9131, 0.2531, 0.3208

Protanomaly

34.4530, 0.2828, 0.3167

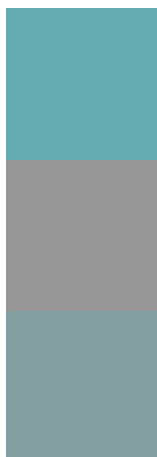
Deuteranomaly

34.3199, 0.2790, 0.3021

Tritanomaly

34.7950, 0.2504, 0.3114

Monochromacy



Original Color

34.9131, 0.2531, 0.3208

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.7822, 0.2868, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9131, 0.2531, 0.3208 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(99, 171, 176)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 176)  
}
```

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(99, 171, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 176) }
```

Border

The CSS property to change the border of an element to Yxy 34.9131, 0.2531, 0.3208 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(99, 171, 176) }
```

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

```
.border{ border-color:rgb(99, 171, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 171, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 176);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9131, 0.2531, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 171, 176) }
```

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

```
.background{ background-color: rgb(99, 171,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor