

Converting Colors

$Yxy(34.6864, 0.3100, 0.3972)$

Have a look what the booklet for
Yxy(34.6864, 0.3100, 0.3972)
contains.

Yxy(34.5236, 0.3096, 0.3960)	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(34.5236, 0.3096, 0.3960)

Conversions

Conversions Part 1

Format	Color
Hex	80A980
RGB	128, 169, 128
RGB Percent	50%, 66%, 50%
CMY	0.4979, 0.3373, 0.4980
CMYK	0.24, 0.00, 0.24, 0.34
HSL	120°, 19%, 58%
HSV	120°, 24%, 66%
XYZ	26.9912, 34.5236, 25.6660
YIQ	152.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

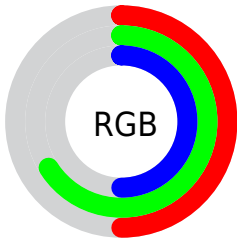
Format	Color
RYB	128, 169, 169
Decimal	8432000
CIELab	65.38, -22.11, 16.76
CIElCh	65, 27.743, 142.842
Yxy	34.5236, 0.3096, 0.3960
Android (android.graphics.Color)	4286622080 (0xFF80A980)
YUV	152.0670, -11.8650, -21.1068
Hunter-Lab	58.7568, -20.8266, 15.2308

Details

The Yxy color **34.5236, 0.3096, 0.3960** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.7363, 0.3154, 0.2700**, and the grayscale version is **31.4898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5926, 0.3109, 0.3814**, and **14.9068, 0.3073, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **32.9136, 0.3081, 0.4290**, and if you desaturate by 10%, it is **36.4286, 0.3110, 0.3660**.

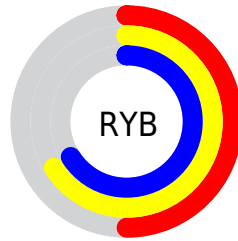
Distribution



Red (50%)

Green (66%)

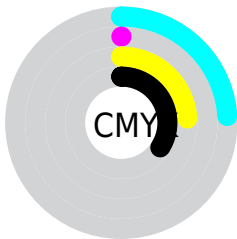
Blue (50%)



Red (50%)

Yellow (66%)

Blue (66%)

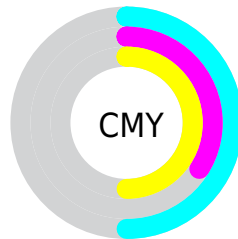


Cyan (24%)

Magenta (0%)

Yellow (24%)

Black (34%)



Cyan (50%)


Magenta (34%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5236, 0.3096, 0.3960 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 34.5236, 0.3096, 0.3960 by changing the saturation by 10% instead.


 34.5236, 0.3096,
0.3960


 34.5236, 0.3096,
0.3960


322.4605, 0.3119,
0.3595

 23.2961, 0.3087,
0.4062


 66.7471, 0.3107,
0.3820

 14.8123, 0.3073,
0.4201


 88.5119, 0.3110,
0.3769

 8.6878, 0.3049,
0.4398


 114.5579, 0.3113,
0.3728

 4.5381, 0.3005,
0.4702

145.2696, 0.3115,
0.3693

 1.9789, 0.2927,
0.5261

181.0313, 0.3116,
0.3663

 0.5952, 0.0417,
0.9583

222.2274, 0.3117,

 0.0000, 0.0000,

0.3637

0.0000

269.2424, 0.3118,
0.3615

■ 34.5236, 0.3096,
0.3960

■ 34.5236, 0.3096,
0.3960

■ 32.9136, 0.3081,
0.4290

■ 36.4286, 0.3110,
0.3660

■ 31.5797, 0.3064,
0.4639

■ 38.6377, 0.3122,
0.3393

■ 30.5078, 0.3048,
0.4991

■ 41.1649, 0.3133,
0.3160

■ 29.6807, 0.3032,
0.5323

■ 44.0222, 0.3143,
0.2958

■ 29.0790, 0.3019,
0.5608

■ 47.2207, 0.3151,
0.2785

■ 28.6805, 0.3009,
0.5821

■ 50.7713, 0.3157,
0.2636

■ 28.4587, 0.3003,
0.5949

■ 54.6842, 0.3163,
0.2508

■ 28.3748, 0.3000,
0.6000

■ 56.8540, 0.3167,
0.2450

Harmonies

Analogous

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



34.5236, 0.3517, 0.4063



34.5236, 0.3096, 0.3960



34.5236, 0.2701, 0.3631

Triad

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



34.5236, 0.3096, 0.3960



34.5236, 0.2437, 0.2641



34.5236, 0.3873, 0.3300

Complementary

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



34.5236, 0.3096, 0.3960



26.7363, 0.3154, 0.2700

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.



34.5236, 0.3545, 0.2973



34.5236, 0.3096, 0.3960



34.5236, 0.2710, 0.2604

Square

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



34.5236, 0.3096, 0.3960



34.5236, 0.2338, 0.2849



34.5236, 0.3112, 0.2725



34.5236, 0.3984, 0.3644

Rectangle

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



34.5236, 0.3096, 0.3960



34.5236, 0.2502, 0.3349



34.5236, 0.3112, 0.2725



34.5236, 0.3784, 0.3185

Sweetspot

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



34.5251, 0.3096, 0.3960



68.0087, 0.3119, 0.3466



38.1137, 0.3487, 0.3873



14.7737, 0.3118, 0.3481



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.



34.5251, 0.3096, 0.3960



60.2531, 0.3088, 0.4130



35.0963, 0.2938, 0.3628



8.4080, 0.3116, 0.3523



21.1492, 0.3000, 0.6000



0.5146, 0.3001, 0.5999

Inverse Universe

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



26.7363, 0.3154, 0.2700



43.9069, 0.3160, 0.2572



26.0512, 0.3372, 0.2975



7.6663, 0.3137, 0.3067



8.4112, 0.3207, 0.1541



0.2047, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 34.5236, 0.3096, 0.3960 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 34.5236, 0.3096, 0.3960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

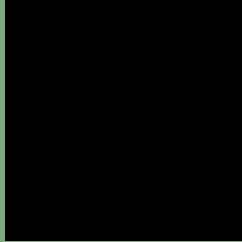
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5236, 0.3096, 0.3960

Background



This preview shows how black text looks on a background with the Yxy color 34.5236, 0.3096, 0.3960.



This preview shows how white text looks on a background with the Yxy color 34.5236, 0.3096, 0.3960.

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

34.5236, 0.3096, 0.3960

Protanopia

34.3188, 0.3568, 0.3807

Deuteranopia

34.1897, 0.3649, 0.3573



Tritanopia

34.5632, 0.2782, 0.3093

Trichromacy



Original Color

34.5236, 0.3096, 0.3960

Protanomaly

34.1914, 0.3382, 0.3861

Deuteranomaly

33.8789, 0.3429, 0.3696

Tritanomaly

34.4000, 0.2890, 0.3383

Monochromacy



Original Color

34.5236, 0.3096, 0.3960

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2765, 0.3116, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5236, 0.3096, 0.3960 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, 169, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 169, 128)  
}
```

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, 169, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 169, 128) }
```

Border

The CSS property to change the border of an element to Yxy 34.5236, 0.3096, 0.3960 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, 169, 128) }
```

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

```
.border{ border-color:rgb(128, 169, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 169, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 169, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 169, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 169,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5236, 0.3096, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 169, 128) }
```

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

```
.background{ background-color: rgb(128,  
169, 128) }
```

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