

Converting Colors

$Yxy(34.9540, 0.2975, 0.3153)$

Have a look what the booklet for
Yxy(34.9540, 0.2975, 0.3153)
contains.

Yxy(34.8162, 0.2975, 0.3142)	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(34.8162, 0.2975, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	99A0AA
RGB	153, 160, 170
RGB Percent	60%, 63%, 67%
CMY	0.4000, 0.3725, 0.3332
CMYK	0.10, 0.06, 0.00, 0.33
HSL	215°, 9%, 63%
HSV	215°, 10%, 67%
XYZ	32.9657, 34.8162, 43.0271
YIQ	159.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

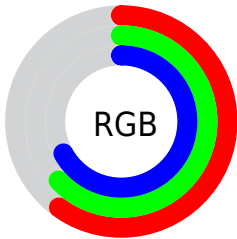
Format	Color
RYB	153, 158, 170
Decimal	10068138
CIELab	65.61, -0.45, -6.07
CIELCh	66, 6.083, 265.784
Yxy	34.8162, 0.2975, 0.3142
Android (android.graphics.Color)	4288258218 (0xFF99A0AA)
YUV	159.0470, 5.3998, -5.3032
Hunter-Lab	59.0053, -3.5329, -1.9311

Details

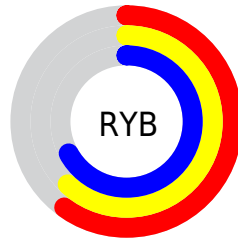
The Yxy color **34.8162, 0.2975, 0.3142** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0551, 0.3284, 0.3434**, and the grayscale version is **34.6724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3025, 0.3004, 0.3178**, and **15.0701, 0.2926, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **29.9456, 0.2815, 0.2977**, and if you desaturate by 10%, it is **40.2053, 0.3127, 0.3290**.

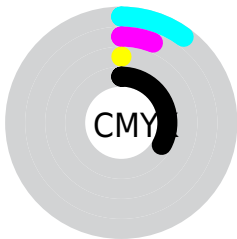
Distribution



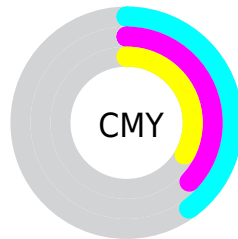
- Red (60%)
- Green (63%)
- Blue (67%)



- Red (60%)
- Yellow (62%)
- Blue (67%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8162, 0.2975, 0.3142 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 34.8162, 0.2975, 0.3142 by changing the saturation by 10% instead.

■ 34.8162, 0.2975,
0.3142

■ 34.8162, 0.2975,
0.3142

■ 323.7563, 0.3055,
0.3220

■ 23.5213, 0.2954,
0.3121

■ 67.2009, 0.3005,
0.3171

■ 14.9789, 0.2926,
0.3094

■ 89.0596, 0.3016,
0.3182

■ 8.8046, 0.2888,
0.3056

■ 115.2083, 0.3025,
0.3191

■ 4.6139, 0.2831,
0.3001

■ 146.0314, 0.3033,
0.3198

■ 2.0226, 0.2739,
0.2911

■ 181.9134, 0.3039,
0.3205

■ 0.6205, 0.2511,
0.2691

■ 223.2386, 0.3045,

■ 0.0000, 0.0000,

0.3210

0.0000

270.3914, 0.3050,
0.3215

■ 34.8162, 0.2975,
0.3142

■ 34.8162, 0.2975,
0.3142

■ 29.9456, 0.2815,
0.2977

■ 40.2053, 0.3127,
0.3290

■ 25.5725, 0.2649,
0.2794

■ 46.1241, 0.3269,
0.3421

■ 21.6811, 0.2480,
0.2596

■ 52.5891, 0.3402,
0.3536

■ 18.2527, 0.2312,
0.2383

■ 59.6146, 0.3524,
0.3638

■ 15.2675, 0.2152,
0.2160

■ 67.2143, 0.3636,
0.3727

■ 12.7038, 0.2005,
0.1934

■ 75.3977, 0.3739,
0.3804

■ 10.5377, 0.1878,
0.1711

■ 80.8163, 0.3707,
0.3900

■ 8.7420, 0.1776,
0.1500

■ 86.5552, 0.3676,
0.3992

■ 7.2685, 0.1696,
0.1306

■ 92.6196, 0.3646,
0.4082

Harmonies

Analogous

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



34.8162, 0.2946, 0.3192



34.8162, 0.2975, 0.3142



34.8162, 0.3044, 0.3132

Triad

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



34.8162, 0.2975, 0.3142



34.8162, 0.3292, 0.3307



34.8162, 0.3116, 0.3423

Complementary

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



34.8162, 0.2975, 0.3142



37.0551, 0.3284, 0.3434

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.



34.8162, 0.3209, 0.3453



34.8162, 0.2975, 0.3142



34.8162, 0.3312, 0.3385

Square

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



34.8162, 0.2975, 0.3142



34.8162, 0.3228, 0.3226



34.8162, 0.3281, 0.3439



34.8162, 0.3027, 0.3355

Rectangle

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



34.8162, 0.2975, 0.3142



34.8162, 0.3105, 0.3148



34.8162, 0.3281, 0.3439



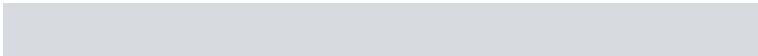
34.8162, 0.3148, 0.3438

Sweetspot

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



34.8177, 0.2975, 0.3142



69.8488, 0.3082, 0.3247



38.1752, 0.3033, 0.3394



15.4008, 0.3070, 0.3235



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.



34.8177, 0.2975, 0.3142



61.1224, 0.2940, 0.3107



32.5981, 0.2988, 0.3038



7.7880, 0.2986, 0.3154



5.4494, 0.1702, 0.1326



0.2339, 0.1889, 0.2001

Inverse Universe

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



33.8707, 0.3232, 0.3190



59.1028, 0.3258, 0.3167



39.4526, 0.3260, 0.3532



7.5915, 0.3224, 0.3198



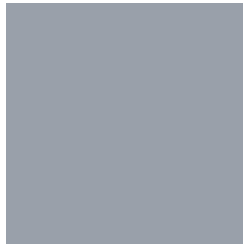
6.6212, 0.5291, 0.2688



0.1713, 0.4451, 0.2226

Previews

White Background



This preview shows how the Yxy color 34.8162, 0.2975, 0.3142 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 34.8162, 0.2975, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

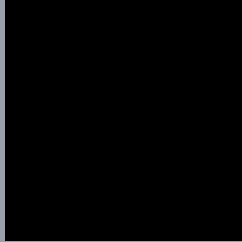
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

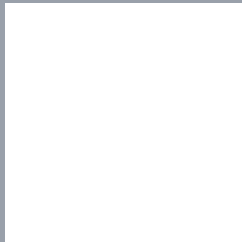
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8162, 0.2975, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 34.8162, 0.2975, 0.3142.



This preview shows how white text looks on a background with the Yxy color 34.8162, 0.2975, 0.3142.

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

34.8162, 0.2975, 0.3142

Protanopia

34.6892, 0.3039, 0.3130

Deuteranopia

34.8180, 0.3118, 0.3064



Tritanopia

34.8925, 0.2958, 0.3114

Trichromacy



Original Color

34.8162, 0.2975, 0.3142

Protanomaly

34.8289, 0.3021, 0.3144

Deuteranomaly

34.8407, 0.3060, 0.3089

Tritanomaly

34.8542, 0.2967, 0.3128

Monochromacy



Original Color

34.8162, 0.2975, 0.3142

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.6087, 0.3073, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8162, 0.2975, 0.3142 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(153, 160, 170)` looks like.

```
.text, #text, p{  
    color:rgb(153, 160, 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(153, 160, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 160, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.8162, 0.2975, 0.3142 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(153, 160, 170) }
```

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

```
.border{ border-color:rgb(153, 160, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 160, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 160, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 160, 170);  
box-shadow:4px 4px 4px 4px rgb(153, 160,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8162, 0.2975, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 160, 170) }
```

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

```
.background{ background-color: rgb(153,  
160, 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](#).

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