

Converting Colors

$Y_{xy}(35.3238, 0.2816, 0.3122)$

Have a look what the booklet for
Yxy(35.3238, 0.2816, 0.3122)
contains.

Yxy(35.2610, 0.2816, 0.3110)	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(35.2610, 0.2816, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	8CA4B0
RGB	140, 164, 176
RGB Percent	55%, 64%, 69%
CMY	0.4509, 0.3569, 0.3099
CMYK	0.20, 0.07, 0.00, 0.31
HSL	200°, 19%, 62%
HSV	200°, 20%, 69%
XYZ	31.9276, 35.2610, 46.1908
YIQ	158.1920, -18.1560, -1.3560

Conversions

Conversions Part 2

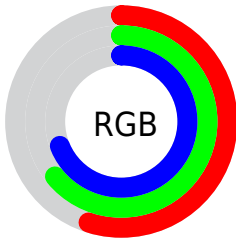
Format	Color
RYB	140, 154, 176
Decimal	9217200
CIELab	65.95, -5.67, -8.98
CIELCh	66, 10.620, 237.759
Yxy	35.2610, 0.2816, 0.3110
Android (android.graphics.Color)	4287407280 (0xFF8CA4B0)
YUV	158.1920, 8.7793, -15.9544
Hunter-Lab	59.3810, -7.9418, -4.5533

Details

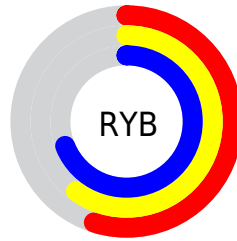
The Yxy color **35.2610, 0.2816, 0.3110** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5790, 0.3493, 0.3463**, and the grayscale version is **34.2507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9586, 0.2873, 0.3142**, and **15.1674, 0.2710, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **31.8030, 0.2665, 0.3009**, and if you desaturate by 10%, it is **39.0631, 0.2969, 0.3203**.

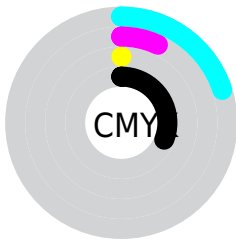
Distribution



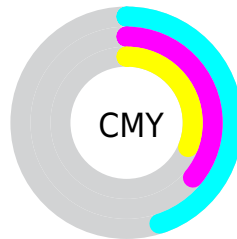
- Red (55%)
- Green (64%)
- Blue (69%)



- Red (55%)
- Yellow (60%)
- Blue (69%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (45%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2610, 0.2816, 0.3110 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 35.2610, 0.2816, 0.3110 by changing the saturation by 10% instead.

■ 35.2610, 0.2816,
0.3110

■ 35.2610, 0.2816,
0.3110

■ 325.7189, 0.2977,
0.3205

■ 23.8640, 0.2774,
0.3084

■ 67.8899, 0.2876,
0.3146

■ 15.2328, 0.2718,
0.3050

■ 89.8906, 0.2898,
0.3159

■ 8.9829, 0.2643,
0.3003

■ 116.1946, 0.2917,
0.3170

■ 4.7300, 0.2533,
0.2932

■ 147.1864, 0.2932,
0.3179

■ 2.0897, 0.2360,
0.2816

■ 183.2503, 0.2946,
0.3187

■ 0.6589, 0.1918,
0.2589

■ 224.7708, 0.2958,

■ 0.0000, 0.0000,

0.3194

0.0000

272.1322, 0.2968,
0.3200

■ 35.2610, 0.2816,
0.3110

■ 35.2610, 0.2816,
0.3110

■ 31.8030, 0.2665,
0.3009

■ 39.0631, 0.2969,
0.3203

■ 28.6721, 0.2520,
0.2900

■ 43.2172, 0.3121,
0.3287

■ 25.8556, 0.2383,
0.2784

■ 47.7361, 0.3269,
0.3362

■ 23.3387, 0.2258,
0.2662

■ 52.6306, 0.3414,
0.3429

■ 21.1046, 0.2149,
0.2537

■ 57.9111, 0.3552,
0.3488

■ 19.1346, 0.2058,
0.2411

■ 63.5874, 0.3684,
0.3540

■ 17.4068, 0.1988,
0.2285

■ 68.0794, 0.3743,
0.3593

■ 15.9388, 0.1935,
0.2166

■ 70.9385, 0.3725,
0.3652

■ 73.9037, 0.3707,
0.3710

Harmonies

Analogous

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



35.2610, 0.2843, 0.3243



35.2610, 0.2816, 0.3110



35.2610, 0.2870, 0.3030

Triad

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



35.2610, 0.2816, 0.3110



35.2610, 0.3311, 0.3188



35.2610, 0.3258, 0.3576

Complementary

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



35.2610, 0.2816, 0.3110



33.5790, 0.3493, 0.3463

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.



35.2610, 0.3388, 0.3552



35.2610, 0.2816, 0.3110



35.2610, 0.3420, 0.3326

Square

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



35.2610, 0.2816, 0.3110



35.2610, 0.3153, 0.3077



35.2610, 0.3448, 0.3459



35.2610, 0.3095, 0.3518

Rectangle

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



35.2610, 0.2816, 0.3110



35.2610, 0.2945, 0.3015



35.2610, 0.3448, 0.3459



35.2610, 0.3307, 0.3577

Sweetspot

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



35.2624, 0.2816, 0.3110



74.0458, 0.3035, 0.3240



38.8702, 0.3012, 0.3664



15.9450, 0.3025, 0.3235



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.



35.2624, 0.2816, 0.3110



60.7528, 0.2740, 0.3061



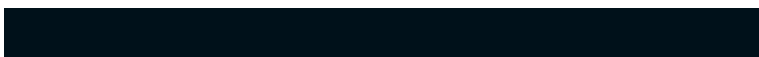
29.4569, 0.2799, 0.2840



9.1449, 0.2986, 0.3212



11.8072, 0.1939, 0.2180



0.4734, 0.2035, 0.2526

Inverse Universe

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



30.6694, 0.3271, 0.2952



50.9653, 0.3313, 0.2866



39.6449, 0.3446, 0.3703



8.5976, 0.3187, 0.3139



7.7321, 0.4254, 0.2117



0.2536, 0.3897, 0.1920

Previews

White Background



This preview shows how the Yxy color 35.2610, 0.2816, 0.3110 looks on a white background.

Color Contrast Check

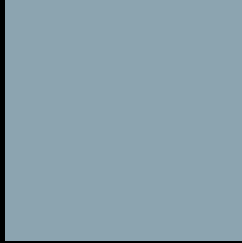
Large Text (above 18pt) WCAG AA × Fail

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 35.2610, 0.2816, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

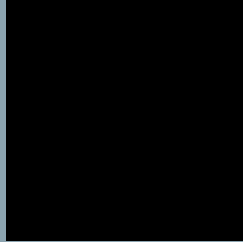
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

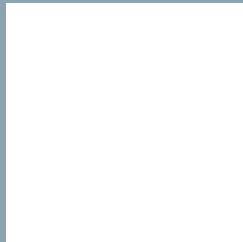
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2610, 0.2816, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 35.2610, 0.2816, 0.3110.



This preview shows how white text looks on a background with the Yxy color 35.2610, 0.2816, 0.3110.

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

35.2610, 0.2816, 0.3110

Protanopia

35.1843, 0.3005, 0.3088

Deuteranopia

35.2068, 0.3037, 0.2981



Tritanopia

35.3007, 0.2808, 0.3095

Trichromacy



Original Color

35.2610, 0.2816, 0.3110

Protanomaly

35.2211, 0.2933, 0.3099

Deuteranomaly

35.1387, 0.2953, 0.3031

Tritanomaly

35.3007, 0.2808, 0.3095

Monochromacy



Original Color

35.2610, 0.2816, 0.3110

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.4375, 0.2999, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2610, 0.2816, 0.3110 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(140, 164, 176)` looks like.

```
.text, #text, p{  
    color:rgb(140, 164, 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(140, 164, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 164, 176) }
```

Border

The CSS property to change the border of an element to Yxy 35.2610, 0.2816, 0.3110 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(140, 164, 176) }
```

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

```
.border{ border-color:rgb(140, 164, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 164, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 164, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 164, 176); box-shadow:4px 4px 4px 4px rgb(140, 164, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2610, 0.2816, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 164, 176) }
```

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

```
.background{ background-color: rgb(140,  
164, 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