

Converting Colors

$Yxy(35.7806, 0.2961, 0.3353)$

Have a look what the booklet for
Yxy(35.7806, 0.2961, 0.3353)
contains.

Yxy(35.8104, 0.2962, 0.3350)	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(35.8104, 0.2962, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	90A6A2
RGB	144, 166, 162
RGB Percent	56%, 65%, 64%
CMY	0.4352, 0.3490, 0.3647
CMYK	0.13, 0.00, 0.02, 0.35
HSL	169°, 11%, 61%
HSV	169°, 13%, 65%
XYZ	31.6628, 35.8104, 39.4235
YIQ	158.9660, -11.8280, -5.9080

Conversions

Conversions Part 2

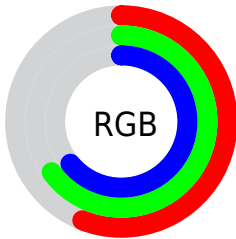
Format	Color
RYB	144, 156, 166
Decimal	9479842
CIELab	66.37, -8.45, -0.52
CIELCh	66, 8.471, 183.538
Yxy	35.8104, 0.2962, 0.3350
Android (android.graphics.Color)	4287669922 (0xFF90A6A2)
YUV	158.9660, 1.4958, -13.1252
Hunter-Lab	59.8418, -10.2772, 2.8293

Details

The Yxy color **35.8104, 0.2962, 0.3350** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2014, 0.3322, 0.3231**, and the grayscale version is **34.6545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7284, 0.2993, 0.3335**, and **15.4876, 0.2909, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **34.3188, 0.2844, 0.3400**, and if you desaturate by 10%, it is **37.5274, 0.3086, 0.3304**.

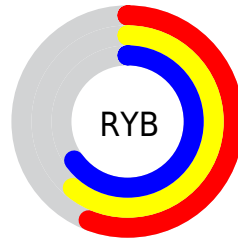
Distribution



Red (56%)

Green (65%)

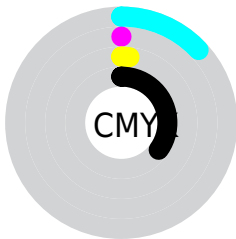
Blue (64%)



Red (56%)

Yellow (61%)

Blue (65%)

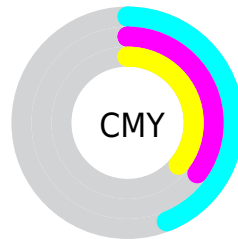


Cyan (13%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (44%)


Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8104, 0.2962, 0.3350 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 35.8104, 0.2962, 0.3350 by changing the saturation by 10% instead.

 35.8104, 0.2962,
0.3350


 35.8104, 0.2962,
0.3350


328.1311, 0.3048,
0.3319

 24.2878, 0.2939,
0.3358


 68.7393, 0.2994,
0.3338

 15.5472, 0.2909,
0.3369


 90.9144, 0.3006,
0.3334

 9.2044, 0.2868,
0.3384

117.4092, 0.3016,
0.3331

 4.8747, 0.2807,
0.3405

148.6079, 0.3024,
0.3328

 2.1739, 0.2710,
0.3439

184.8951, 0.3031,
0.3325

 0.7057, 0.2351,
0.3573

226.6551, 0.3038,

 0.0000, 0.0000,

0.3323

0.0000

274.2723, 0.3043,
0.3321

■ 35.8104, 0.2962,
0.3350

■ 35.8104, 0.2962,
0.3350

■ 34.3188, 0.2844,
0.3400

■ 37.5274, 0.3086,
0.3304

■ 33.0385, 0.2736,
0.3455

■ 39.4742, 0.3214,
0.3262

■ 31.9608, 0.2640,
0.3513

■ 41.6609, 0.3344,
0.3225

■ 31.0745, 0.2558,
0.3573

■ 44.0955, 0.3473,
0.3192

■ 30.3673, 0.2493,
0.3637

■ 46.7857, 0.3601,
0.3163

■ 29.8257, 0.2447,
0.3701

■ 49.7389, 0.3726,
0.3137

■ 29.4341, 0.2419,
0.3766

■ 51.9569, 0.3800,
0.3112

■ 29.1736, 0.2409,
0.3831

■ 52.0843, 0.3771,
0.3080

■ 29.0423, 0.2410,
0.3874

■ 52.2144, 0.3742,
0.3049

Harmonies

Analogous

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



35.8104, 0.3077, 0.3454



35.8104, 0.2962, 0.3350



35.8104, 0.2891, 0.3231

Triad

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



35.8104, 0.2962, 0.3350



35.8104, 0.3044, 0.3079



35.8104, 0.3378, 0.3443

Complementary

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



35.8104, 0.2962, 0.3350



30.2014, 0.3322, 0.3231

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.



35.8104, 0.3369, 0.3341



35.8104, 0.2962, 0.3350



35.8104, 0.3174, 0.3134

Square

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



35.8104, 0.2962, 0.3350



35.8104, 0.2938, 0.3077



35.8104, 0.3294, 0.3229



35.8104, 0.3318, 0.3506

Rectangle

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



35.8104, 0.2962, 0.3350



35.8104, 0.2878, 0.3161



35.8104, 0.3294, 0.3229



35.8104, 0.3383, 0.3412

Sweetspot

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



35.8119, 0.2962, 0.3350



67.8335, 0.3075, 0.3308



35.5872, 0.3149, 0.3627



15.1262, 0.3066, 0.3311



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.



35.8119, 0.2962, 0.3350



64.1253, 0.2925, 0.3365



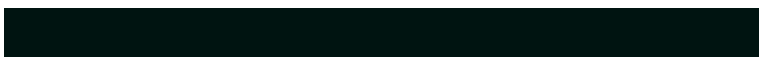
33.4954, 0.2927, 0.3184



8.5083, 0.3010, 0.3331



22.5281, 0.2408, 0.3868



0.5540, 0.2349, 0.3655

Inverse Universe

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



30.2014, 0.3322, 0.3231



51.8455, 0.3375, 0.3217



32.2500, 0.3349, 0.3394



7.5638, 0.3258, 0.3249



6.3654, 0.6085, 0.3126



0.1611, 0.5291, 0.2688

Previews

White Background



This preview shows how the Yxy color 35.8104, 0.2962, 0.3350 looks on a white background.

Color Contrast Check

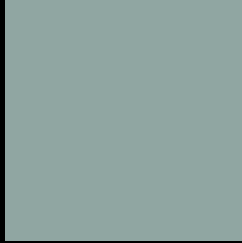
Large Text (above 18pt) WCAG AA × Fail

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 35.8104, 0.2962, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

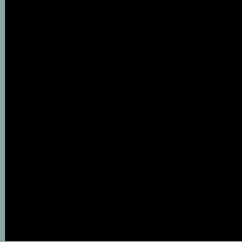
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

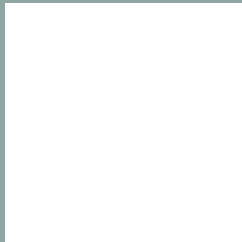
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8104, 0.2962, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 35.8104, 0.2962, 0.3350.

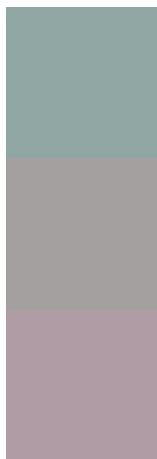


This preview shows how white text looks on a background with the Yxy color 35.8104, 0.2962, 0.3350.

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

35.8104, 0.2962, 0.3350

Protanopia

35.5373, 0.3175, 0.3305

Deuteranopia

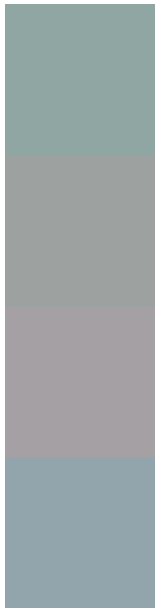
35.5712, 0.3241, 0.3178



Tritanopia

35.9283, 0.2867, 0.3099

Trichromacy



Original Color

35.8104, 0.2962, 0.3350

Protanomaly

35.5468, 0.3097, 0.3319

Deuteranomaly

35.6785, 0.3139, 0.3247

Tritanomaly

35.9998, 0.2899, 0.3186

Monochromacy



Original Color

35.8104, 0.2962, 0.3350

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2488, 0.3069, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8104, 0.2962, 0.3350 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(144, 166, 162)` looks like.

```
.text, #text, p{  
    color:rgb(144, 166, 162)  
}
```

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(144, 166, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 166, 162) }
```

Border

The CSS property to change the border of an element to Yxy 35.8104, 0.2962, 0.3350 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(144, 166, 162) }
```

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

```
.border{ border-color:rgb(144, 166, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 166, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 166, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 166, 162);  
box-shadow:4px 4px 4px 4px rgb(144, 166,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8104, 0.2962, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 166, 162) }
```

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

```
.background{ background-color: rgb(144,  
166, 162) }
```

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