

Converting Colors

$Y_{xy}(35.4258, 0.3122, 0.3499)$

Have a look what the booklet for
Yxy(35.4258, 0.3122, 0.3499)
contains.

Yxy(35.3322, 0.3127, 0.3502)	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(35.3322, 0.3127, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	97A496
RGB	151, 164, 150
RGB Percent	59%, 64%, 59%
CMY	0.4077, 0.3569, 0.4118
CMYK	0.08, 0.00, 0.09, 0.36
HSL	116°, 7%, 62%
HSV	116°, 9%, 64%
XYZ	31.5488, 35.3322, 34.0105
YIQ	158.5170, -3.2540, -7.1100

Conversions

Conversions Part 2

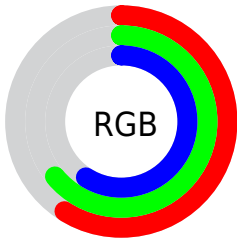
Format	Color
RYB	150, 164, 163
Decimal	9938070
CIELab	66.01, -7.28, 5.69
CIELCh	66, 9.243, 142.002
Yxy	35.3322, 0.3127, 0.3502
Android (android.graphics.Color)	4288128150 (0xFF97A496)
YUV	158.5170, -4.1989, -6.5924
Hunter-Lab	59.4409, -9.2811, 7.6844

Details

The Yxy color **35.3322, 0.3127, 0.3502** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2737, 0.3126, 0.3085**, and the grayscale version is **34.4633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0018, 0.3126, 0.3462**, and **15.1985, 0.3127, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **33.4815, 0.3125, 0.3780**, and if you desaturate by 10%, it is **37.4468, 0.3127, 0.3256**.

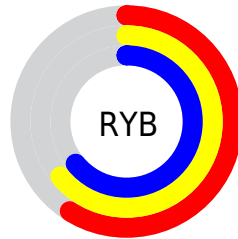
Distribution



Red (59%)

Green (64%)

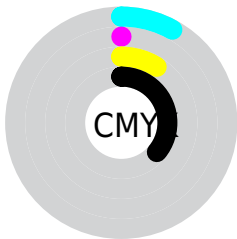
Blue (59%)



Red (59%)

Yellow (64%)

Blue (64%)

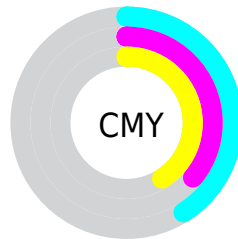


Cyan (8%)

Magenta (0%)

Yellow (9%)

Black (36%)



Cyan (41%)

Magenta (36%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3322, 0.3127, 0.3502 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 35.3322, 0.3127, 0.3502 by changing the saturation by 10% instead.


 35.3322, 0.3127,
0.3502


 35.3322, 0.3127,
0.3502


326.0322, 0.3128,
0.3390

 23.9189, 0.3127,
0.3532


 68.0001, 0.3127,
0.3460

 15.2735, 0.3126,
0.3573


 90.0234, 0.3128,
0.3444

 9.0115, 0.3124,
0.3629


116.3523, 0.3128,
0.3431

 4.7487, 0.3121,
0.3715

147.3709, 0.3128,
0.3420

 2.1006, 0.3115,
0.3856

183.4639, 0.3128,
0.3411

 0.6650, 0.3143,
0.4601

225.0155, 0.3128,

 0.0000, 0.0000,

0.3403

0.0000

272.4101, 0.3128,
0.3396

■ 35.3322, 0.3127,
0.3502

■ 35.3322, 0.3127,
0.3502

■ 33.4815, 0.3125,
0.3780

■ 37.4468, 0.3127,
0.3256

■ 31.8801, 0.3121,
0.4088

■ 39.8303, 0.3126,
0.3041

■ 30.5186, 0.3114,
0.4421

■ 42.4933, 0.3124,
0.2854

■ 29.3855, 0.3104,
0.4766

■ 45.4446, 0.3121,
0.2692

■ 28.4682, 0.3091,
0.5106

■ 48.6923, 0.3118,
0.2552

■ 27.7530, 0.3074,
0.5417

■ 52.2445, 0.3115,
0.2432

■ 27.2245, 0.3055,
0.5676

■ 55.0282, 0.3169,
0.2403

■ 26.8652, 0.3036,
0.5861

■ 26.6506, 0.3019,
0.5972

Harmonies

Analogous

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



35.3322, 0.3266, 0.3539



35.3322, 0.3127, 0.3502



35.3322, 0.2990, 0.3404

Triad

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



35.3322, 0.3127, 0.3502



35.3322, 0.2889, 0.3073



35.3322, 0.3368, 0.3298

Complementary

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



35.3322, 0.3127, 0.3502



32.2737, 0.3126, 0.3085

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.



35.3322, 0.3263, 0.3180



35.3322, 0.3127, 0.3502



35.3322, 0.2986, 0.3051

Square

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



35.3322, 0.3127, 0.3502



35.3322, 0.2855, 0.3153



35.3322, 0.3122, 0.3090



35.3322, 0.3408, 0.3417

Rectangle

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



35.3322, 0.3127, 0.3502



35.3322, 0.2918, 0.3319



35.3322, 0.3122, 0.3090



35.3322, 0.3339, 0.3257

Sweetspot

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



35.3337, 0.3127, 0.3502



66.1841, 0.3127, 0.3363



36.2265, 0.3252, 0.3478



14.4034, 0.3127, 0.3383



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



35.3337, 0.3127, 0.3502



63.5543, 0.3127, 0.3546



35.4268, 0.3067, 0.3413



7.9191, 0.3127, 0.3521



20.4280, 0.3021, 0.5983



0.4364, 0.3120, 0.5905

Inverse Universe

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



32.2737, 0.3126, 0.3085



56.9946, 0.3126, 0.3045



32.1785, 0.3192, 0.3170



7.1752, 0.3126, 0.3068



7.1650, 0.3026, 0.1441



0.1580, 0.3097, 0.1480

Previews

White Background



This preview shows how the Yxy color 35.3322, 0.3127, 0.3502 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 35.3322, 0.3127, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

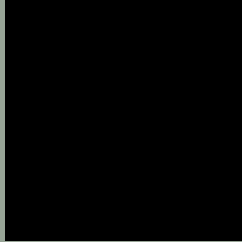
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

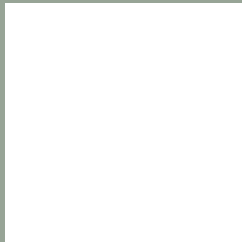
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3322, 0.3127, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 35.3322, 0.3127, 0.3502.



This preview shows how white text looks on a background with the Yxy color 35.3322, 0.3127, 0.3502.

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

35.3322, 0.3127, 0.3502

Protanopia

35.3867, 0.3295, 0.3466

Deuteranopia

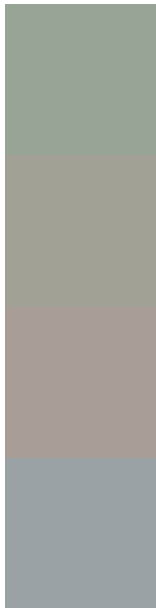
35.2934, 0.3398, 0.3333



Tritanopia

35.4754, 0.2968, 0.3115

Trichromacy



Original Color

35.3322, 0.3127, 0.3502

Protanomaly

35.2367, 0.3235, 0.3468

Deuteranomaly

35.1231, 0.3300, 0.3392

Tritanomaly

35.4273, 0.3027, 0.3245

Monochromacy



Original Color

35.3322, 0.3127, 0.3502

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.9580, 0.3124, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3322, 0.3127, 0.3502 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(151, 164, 150)` looks like.

```
.text, #text, p{  
    color:rgb(151, 164, 150)  
}
```

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(151, 164, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 164, 150) }
```

Border

The CSS property to change the border of an element to Yxy 35.3322, 0.3127, 0.3502 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(151, 164, 150) }
```

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

```
.border{ border-color:rgb(151, 164, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 164, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 164, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 164, 150);  
box-shadow:4px 4px 4px 4px rgb(151, 164,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3322, 0.3127, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 164, 150) }
```

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

```
.background{ background-color: rgb(151,  
164, 150) }
```

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