

Converting Colors

$Y_{xy}(35.1708, 0.3556, 0.4328)$

Have a look what the booklet for
Yxy(35.1708, 0.3556, 0.4328)
contains.

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Color

Yxy(35.1368, 0.3551, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	97A764
RGB	151, 167, 100
RGB Percent	59%, 65%, 39%
CMY	0.4078, 0.3451, 0.6078
CMYK	0.10, 0.00, 0.40, 0.35
HSL	74°, 28%, 52%
HSV	74°, 40%, 65%
XYZ	28.8821, 35.1368, 17.3163
YIQ	154.5780, 11.9710, -24.2290

Conversions

Conversions Part 2

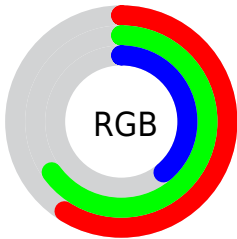
Format	Color
RYB	100, 167, 116
Decimal	9938788
CIELab	65.86, -16.67, 32.77
CIELCh	66, 36.769, 116.966
Yxy	35.1368, 0.3551, 0.4320
Android (android.graphics.Color)	4288128868 (0xFF97A764)
YUV	154.5780, -26.9070, -3.1379
Hunter-Lab	59.2763, -16.7602, 24.1731

Details

The Yxy color **35.1368, 0.3551, 0.4320** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6176, 0.2569, 0.2141**, and the grayscale version is **32.7003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6314, 0.3477, 0.4108**, and **15.1531, 0.3658, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **34.4723, 0.3640, 0.4575**, and if you desaturate by 10%, it is **35.8836, 0.3451, 0.4056**.

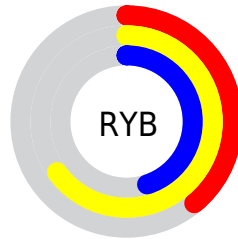
Distribution



Red (59%)

Green (65%)

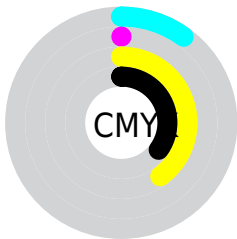
Blue (39%)



Red (39%)

Yellow (65%)

Blue (45%)

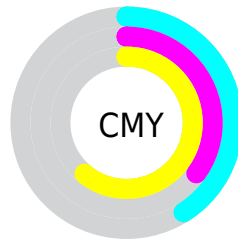


Cyan (10%)

Magenta (0%)

Yellow (40%)

Black (35%)



Cyan (41%)


Magenta (35%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1368, 0.3551, 0.4320 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 35.1368, 0.3551, 0.4320 by changing the saturation by 10% instead.


 35.1368, 0.3551,
0.4320


 35.1368, 0.3551,
0.4320


325.1717, 0.3345,
0.3768

 23.7683, 0.3597,
0.4468


 67.6976, 0.3479,
0.4112

 15.1618, 0.3651,
0.4662


 89.6587, 0.3451,
0.4036

 8.9330, 0.3711,
0.4926


 115.9195, 0.3427,
0.3972

 4.6975, 0.3767,
0.5301

 146.8643, 0.3406,
0.3919

 2.0709, 0.3919,
0.6081

182.8775, 0.3388,
0.3873

 0.6482, 0.2439,
0.7561

224.3436, 0.3372,

 0.0000, 0.0000,

0.3833

0.0000

271.6468, 0.3358,
0.3799

■ 35.1368, 0.3551,
0.4320

■ 35.1368, 0.3551,
0.4320

■ 34.4723, 0.3640,
0.4575

■ 35.8836, 0.3451,
0.4056

■ 33.8813, 0.3713,
0.4810

■ 36.7119, 0.3344,
0.3792

■ 33.3605, 0.3765,
0.5014


■ 37.6268, 0.3236,
0.3536


■ 32.9049, 0.3793,
0.5179


■ 38.6317, 0.3128,
0.3293

■ 32.5081, 0.3796,
0.5299


■ 39.7298, 0.3025,
0.3065

 32.1603, 0.3780,
0.5381

 40.9239, 0.2926,
0.2856

 42.2170, 0.2833,
0.2664

 43.6118, 0.2747,
0.2490

 45.1108, 0.2668,
0.2333

Harmonies

Analogous

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



35.1368, 0.4014, 0.4154



35.1368, 0.3551, 0.4320



35.1368, 0.2998, 0.4149

Triad

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



35.1368, 0.3551, 0.4320



35.1368, 0.2117, 0.2655



35.1368, 0.3747, 0.2929

Complementary

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



35.1368, 0.3551, 0.4320



15.6176, 0.2569, 0.2141

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.



35.1368, 0.3179, 0.2602



35.1368, 0.3551, 0.4320



35.1368, 0.2272, 0.2431

Square

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



35.1368, 0.3551, 0.4320



35.1368, 0.2195, 0.3094



35.1368, 0.2644, 0.2422



35.1368, 0.4153, 0.3347

Rectangle

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



35.1368, 0.3551, 0.4320



35.1368, 0.2654, 0.3850



35.1368, 0.2644, 0.2422



35.1368, 0.3566, 0.2807

Sweetspot

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



35.1384, 0.3551, 0.4320



67.0281, 0.3259, 0.3589



21.5427, 0.4013, 0.3537



14.9532, 0.3272, 0.3621



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.



35.1384, 0.3551, 0.4320



61.8772, 0.3630, 0.4544



32.4009, 0.3227, 0.4436



8.6822, 0.3227, 0.3516



24.6318, 0.3784, 0.5378



0.6206, 0.3927, 0.5264

Inverse Universe

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



15.6176, 0.2569, 0.2141



22.1075, 0.2416, 0.1856



18.3070, 0.2954, 0.2258



7.3838, 0.3022, 0.3059



2.4978, 0.1647, 0.0681



0.0834, 0.1986, 0.0868

Previews

White Background



This preview shows how the Yxy color 35.1368, 0.3551, 0.4320 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 35.1368, 0.3551, 0.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

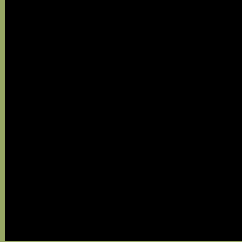
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1368, 0.3551, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 35.1368, 0.3551, 0.4320.



This preview shows how white text looks on a background with the Yxy color 35.1368, 0.3551, 0.4320.

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

35.1368, 0.3551, 0.4320

Protanopia

35.1186, 0.3862, 0.4185

Deuteranopia

34.9682, 0.4031, 0.3962



Tritanopia

35.2101, 0.3031, 0.3117

Trichromacy



Original Color

35.1368, 0.3551, 0.4320

Protanomaly

35.1832, 0.3742, 0.4243

Deuteranomaly

34.7601, 0.3851, 0.4086

Tritanomaly

35.0531, 0.3230, 0.3546

Monochromacy



Original Color

35.1368, 0.3551, 0.4320

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4156, 0.3297, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1368, 0.3551, 0.4320 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, 167, 100)` looks like.

```
.text, #text, p{  
    color:rgb(151, 167, 100)  
}
```

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, 167, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 167, 100) }
```

Border

The CSS property to change the border of an element to Yxy 35.1368, 0.3551, 0.4320 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, 167, 100) }
```

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

```
.border{ border-color:rgb(151, 167, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 167, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 167, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 167, 100);  
box-shadow:4px 4px 4px 4px rgb(151, 167,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1368, 0.3551, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 167, 100) }
```

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

```
.background{ background-color: rgb(151,  
167, 100) }
```

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](#).

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