

Converting Colors

$Y_{xy}(35.6089, 0.3502, 0.3784)$

Have a look what the booklet for
Yxy(35.6089, 0.3502, 0.3784)
contains.

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Color

Yxy(35.7240, 0.3497, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	A8A280
RGB	168, 162, 128
RGB Percent	66%, 64%, 50%
CMY	0.3412, 0.3647, 0.4981
CMYK	0.00, 0.04, 0.24, 0.34
HSL	51°, 19%, 58%
HSV	51°, 24%, 66%
XYZ	32.9622, 35.7240, 25.5724
YIQ	159.9180, 14.4900, -9.3020

Conversions

Conversions Part 2

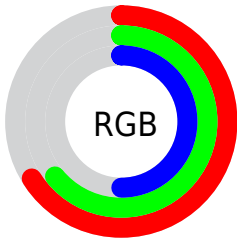
Format	Color
RYB	135, 168, 128
Decimal	11051648
CIELab	66.31, -3.49, 18.52
CIELCh	66, 18.842, 100.676
Yxy	35.7240, 0.3497, 0.3790
Android (android.graphics.Color)	4289241728 (0xFFA8A280)
YUV	159.9180, -15.7356, 7.0879
Hunter-Lab	59.7696, -6.1560, 16.4715

Details

The Yxy color **35.7240, 0.3497, 0.3790** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.4533, 0.2739, 0.2735**, and the grayscale version is **35.1824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8092, 0.3429, 0.3693**, and **15.4294, 0.3616, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **34.4434, 0.3663, 0.4004**, and if you desaturate by 10%, it is **37.0987, 0.3336, 0.3576**.

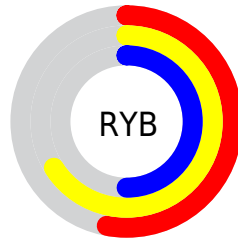
Distribution



Red (66%)

Green (64%)

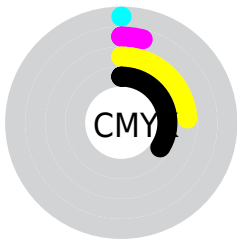
Blue (50%)



Red (53%)

Yellow (66%)

Blue (50%)

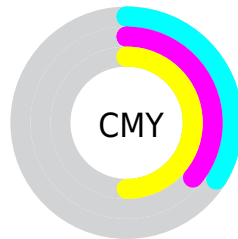


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (34%)



Cyan (34%)


Magenta (36%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7240, 0.3497, 0.3790 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 35.7240, 0.3497, 0.3790 by changing the saturation by 10% instead.


 35.7240, 0.3497,
0.3790


 35.7240, 0.3497,
0.3790


327.7526, 0.3306,
0.3528


 24.2211, 0.3546,
0.3859


 68.6059, 0.3426,
0.3692

 15.4977, 0.3611,
0.3951


 90.7536, 0.3400,
0.3656

 9.1694, 0.3697,
0.4076


 117.2184, 0.3378,
0.3626

 4.8519, 0.3818,
0.4257

148.3847, 0.3359,
0.3600

 2.1606, 0.4019,
0.4563

184.6369, 0.3343,
0.3578

 0.6984, 0.4531,
0.5469

226.3594, 0.3329,

 0.0000, 0.0000,

0.3559

0.0000

273.9364, 0.3317,
0.3542

■ 35.7240, 0.3497,
0.3790

■ 35.7240, 0.3497,
0.3790

■ 34.4434, 0.3663,
0.4004

■ 37.0987, 0.3336,
0.3576

■ 33.2483, 0.3828,
0.4209

■ 38.5663, 0.3183,
0.3367

■ 32.1365, 0.3988,
0.4398

■ 40.1314, 0.3040,
0.3168

■ 31.1034, 0.4135,
0.4560

■ 41.7972, 0.2908,
0.2981

■ 30.1443, 0.4263,
0.4687

■ 43.5666, 0.2787,
0.2806

■ 29.2534, 0.4367,
0.4772

■ 45.4423, 0.2678,
0.2646

■ 28.4241, 0.4443,
0.4812

■ 47.4271, 0.2579,
0.2499

■ 27.9325, 0.4481,
0.4824

■ 49.0396, 0.2530,
0.2435

■ 50.0782, 0.2534,
0.2466

Harmonies

Analogous

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



35.7240, 0.3668, 0.3663



35.7240, 0.3497, 0.3790



35.7240, 0.3231, 0.3778

Triad

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



35.7240, 0.3497, 0.3790



35.7240, 0.2596, 0.3089



35.7240, 0.3296, 0.2995

Complementary

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



35.7240, 0.3497, 0.3790



24.4533, 0.2739, 0.2735

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.



35.7240, 0.3004, 0.2853



35.7240, 0.3497, 0.3790



35.7240, 0.2610, 0.2896

Square

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



35.7240, 0.3497, 0.3790



35.7240, 0.2715, 0.3355



35.7240, 0.2756, 0.2815



35.7240, 0.3551, 0.3208

Rectangle

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



35.7240, 0.3497, 0.3790



35.7240, 0.3037, 0.3684



35.7240, 0.2756, 0.2815



35.7240, 0.3198, 0.2938

Sweetspot

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



35.7256, 0.3497, 0.3790



69.0923, 0.3233, 0.3436



25.4772, 0.3537, 0.3200



15.0265, 0.3241, 0.3447



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.



35.7256, 0.3497, 0.3790



63.4883, 0.3591, 0.3913



36.4282, 0.3341, 0.3898



8.5799, 0.3266, 0.3481



21.1553, 0.4478, 0.4826



0.5648, 0.4371, 0.4912

Inverse Universe

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



24.4533, 0.2739, 0.2735



39.1544, 0.2633, 0.2579



24.0088, 0.2874, 0.2660



7.4749, 0.2986, 0.3092



2.7129, 0.1540, 0.0742



0.1181, 0.1670, 0.1210

Previews

White Background



This preview shows how the Yxy color 35.7240, 0.3497, 0.3790 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 35.7240, 0.3497, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

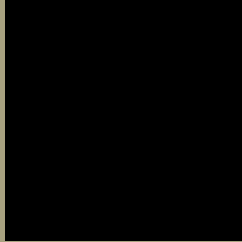
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

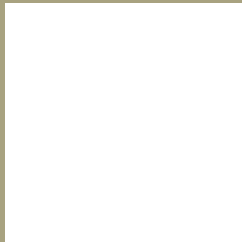
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7240, 0.3497, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 35.7240, 0.3497, 0.3790.



This preview shows how white text looks on a background with the Yxy color 35.7240, 0.3497, 0.3790.

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

35.7240, 0.3497, 0.3790

Protanopia

35.6800, 0.3540, 0.3785

Deuteranopia

35.7190, 0.3721, 0.3649



Tritanopia

35.5257, 0.3175, 0.3108

Trichromacy



Original Color

35.7240, 0.3497, 0.3790

Protanomaly

35.5681, 0.3530, 0.3787

Deuteranomaly

35.8625, 0.3636, 0.3699

Tritanomaly

35.4447, 0.3292, 0.3348

Monochromacy



Original Color

35.7240, 0.3497, 0.3790

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.4144, 0.3264, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7240, 0.3497, 0.3790 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(168, 162, 128)` looks like.

```
.text, #text, p{  
    color:rgb(168, 162, 128)  
}
```

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(168, 162, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 162, 128) }
```

Border

The CSS property to change the border of an element to Yxy 35.7240, 0.3497, 0.3790 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(168, 162, 128) }
```

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

```
.border{ border-color:rgb(168, 162, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 162, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 162, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 162, 128);  
box-shadow:4px 4px 4px 4px rgb(168, 162,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7240, 0.3497, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 162, 128) }
```

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

```
.background{ background-color: rgb(168,  
162, 128) }
```

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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