

Converting Colors

$Y_{xy}(40.3343, 0.3455, 0.3764)$

Have a look what the booklet for
Yxy(40.3343, 0.3455, 0.3764)
contains.

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Color

Yxy(40.4540, 0.3448, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	AFAC8A
RGB	175, 172, 138
RGB Percent	69%, 67%, 54%
CMY	0.3137, 0.3255, 0.4589
CMYK	0.00, 0.02, 0.21, 0.31
HSL	55°, 19%, 61%
HSV	55°, 21%, 69%
XYZ	37.0184, 40.4540, 29.8896
YIQ	169.0210, 12.7020, -9.9380

Conversions

Conversions Part 2

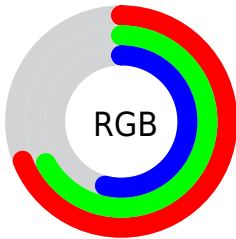
Format	Color
RYB	141, 175, 138
Decimal	11512970
CIELab	69.79, -4.65, 17.93
CIELCh	70, 18.527, 104.531
Yxy	40.4540, 0.3448, 0.3768
Android (android.graphics.Color)	4289703050 (0xFFAFAC8A)
YUV	169.0210, -15.2934, 5.2436
Hunter-Lab	63.6035, -7.4157, 16.6599

Details

The Yxy color $40.4540, 0.3448, 0.3768$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $27.5372, 0.2782, 0.2762$, and the grayscale version is $39.7597, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.7329, 0.3387, 0.3668$, and $18.2751, 0.3536, 0.3916$ is the 20% darker color. If you saturate the color by 10%, you get $39.4520, 0.3606, 0.3997$, and if you desaturate by 10%, it is $41.5470, 0.3293, 0.3539$.

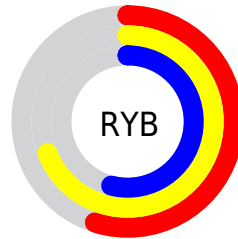
Distribution



Red (69%)

Green (67%)

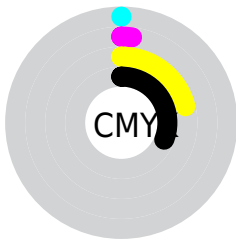
Blue (54%)



Red (55%)

Yellow (69%)

Blue (54%)

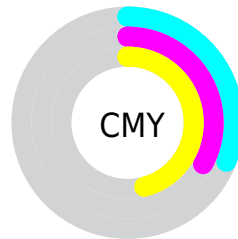


Cyan (0%)

Magenta (2%)

Yellow (21%)

Black (31%)



Cyan (31%)


Magenta (33%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4540, 0.3448, 0.3768 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 40.4540, 0.3448, 0.3768 by changing the saturation by 10% instead.


 40.4540, 0.3448,
0.3768


 40.4540, 0.3448,
0.3768


348.0334, 0.3286,
0.3521


 27.8927, 0.3489,
0.3832


 75.8544, 0.3389,
0.3677

 18.2448, 0.3541,
0.3915


 99.4622, 0.3367,
0.3643

 11.1259, 0.3611,
0.4028


 127.5210, 0.3348,
0.3614

 6.1516, 0.3706,
0.4189

160.4152, 0.3332,
0.3590

 2.9375, 0.3844,
0.4433

198.5291, 0.3318,
0.3569

 1.0992, 0.4554,
0.5446

242.2472, 0.3306,

 0.0000, 0.0000,

0.3551

0.0000

291.9538, 0.3295,
0.3535

■ 40.4540, 0.3448,
0.3768

■ 40.4540, 0.3448,
0.3768

■ 39.4520, 0.3606,
0.3997

■ 41.5470, 0.3293,
0.3539

■ 38.5318, 0.3761,
0.4219

■ 42.7293, 0.3144,
0.3315

■ 37.6908, 0.3908,
0.4424

■ 44.0062, 0.3004,
0.3102

■ 36.9245, 0.4041,
0.4603

■ 45.3808, 0.2873,
0.2903

■ 36.2276, 0.4154,
0.4746

■ 46.8564, 0.2753,
0.2717

■ 35.5943, 0.4243,
0.4849

■ 48.4358, 0.2644,
0.2547

■ 35.0176, 0.4304,
0.4909

■ 49.7642, 0.2575,
0.2444

■ 34.5420, 0.4342,
0.4934

■ 50.3480, 0.2577,
0.2460

■ 50.9377, 0.2579,
0.2477

Harmonies

Analogous

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



40.4540, 0.3624, 0.3664



40.4540, 0.3448, 0.3768



40.4540, 0.3190, 0.3737

Triad

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



40.4540, 0.3448, 0.3768



40.4540, 0.2619, 0.3073



40.4540, 0.3321, 0.3033

Complementary

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



40.4540, 0.3448, 0.3768



27.5372, 0.2782, 0.2762

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.



40.4540, 0.3046, 0.2889



40.4540, 0.3448, 0.3768



40.4540, 0.2649, 0.2902

Square

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



40.4540, 0.3448, 0.3768



40.4540, 0.2717, 0.3318



40.4540, 0.2802, 0.2840



40.4540, 0.3551, 0.3242

Rectangle

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



40.4540, 0.3448, 0.3768



40.4540, 0.3009, 0.3637



40.4540, 0.2802, 0.2840



40.4540, 0.3230, 0.2976

Sweetspot

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



40.4558, 0.3448, 0.3768



75.4529, 0.3217, 0.3425



29.2075, 0.3509, 0.3246



16.7405, 0.3226, 0.3439



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.



40.4558, 0.3448, 0.3768



71.6622, 0.3515, 0.3866



39.9267, 0.3295, 0.3832



9.2174, 0.3265, 0.3496



24.7768, 0.4340, 0.4936



0.7212, 0.4291, 0.4975

Inverse Universe

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



27.5372, 0.2782, 0.2762



44.6997, 0.2703, 0.2640



28.0748, 0.2930, 0.2739



7.8577, 0.2985, 0.3075



2.4842, 0.1518, 0.0665



0.1020, 0.1592, 0.0932

Previews

White Background



This preview shows how the Yxy color 40.4540, 0.3448, 0.3768 looks on a white background.

Color Contrast Check

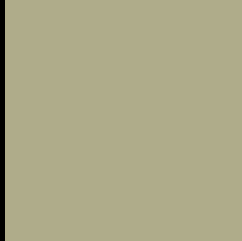
Large Text (above 18pt) WCAG AA × Fail

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 40.4540, 0.3448, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

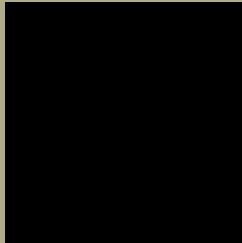
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

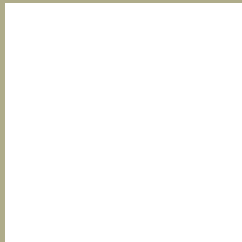
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4540, 0.3448, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 40.4540, 0.3448, 0.3768.



This preview shows how white text looks on a background with the Yxy color 40.4540, 0.3448, 0.3768.

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

40.4540, 0.3448, 0.3768

Protanopia

40.3794, 0.3520, 0.3746

Deuteranopia

40.4501, 0.3681, 0.3606



Tritanopia

40.2304, 0.3145, 0.3116

Trichromacy



Original Color

40.4540, 0.3448, 0.3768

Protanomaly

40.5157, 0.3498, 0.3762

Deuteranomaly

40.4487, 0.3600, 0.3667

Tritanomaly

40.1506, 0.3255, 0.3345

Monochromacy



Original Color

40.4540, 0.3448, 0.3768

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8760, 0.3239, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4540, 0.3448, 0.3768 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(175, 172, 138)` looks like.

```
.text, #text, p{  
    color:rgb(175, 172, 138)  
}
```

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(175, 172, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 172, 138) }
```

Border

The CSS property to change the border of an element to Yxy 40.4540, 0.3448, 0.3768 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(175, 172, 138) }
```

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

```
.border{ border-color:rgb(175, 172, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 172, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 172, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 172, 138);  
box-shadow:4px 4px 4px 4px rgb(175, 172,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4540, 0.3448, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 172, 138) }
```

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

```
.background{ background-color: rgb(175,  
172, 138) }
```

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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