

Converting Colors

$Yxy(38.1310, 0.3467, 0.3763)$

Have a look what the booklet for
Yxy(38.1310, 0.3467, 0.3763)
contains.

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Color

Yxy(38.1293, 0.3468, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	ACA786
RGB	172, 167, 134
RGB Percent	67%, 65%, 53%
CMY	0.3253, 0.3451, 0.4746
CMYK	0.00, 0.03, 0.22, 0.33
HSL	52°, 19%, 60%
HSV	52°, 22%, 67%
XYZ	35.1402, 38.1293, 28.0574
YIQ	164.7330, 13.5730, -9.2030

Conversions

Conversions Part 2

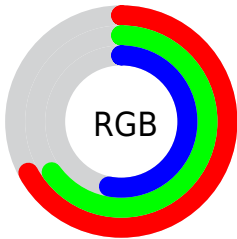
Format	Color
RYB	140, 172, 134
Decimal	11315078
CIELab	68.12, -3.71, 17.76
CIELCh	68, 18.140, 101.795
Yxy	38.1293, 0.3468, 0.3763
Android (android.graphics.Color)	4289505158 (0xFFACA786)
YUV	164.7330, -15.1514, 6.3732
Hunter-Lab	61.7489, -6.4796, 16.2841

Details

The Yxy color **38.1293, 0.3468, 0.3763** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.5216, 0.2768, 0.2768**, and the grayscale version is **37.5638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3244, 0.3408, 0.3674**, and **16.8235, 0.3568, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **36.8615, 0.3631, 0.3981**, and if you desaturate by 10%, it is **39.4934, 0.3309, 0.3545**.

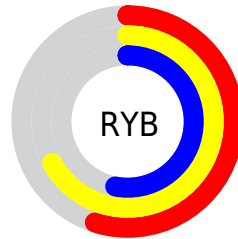
Distribution



Red (67%)

Green (65%)

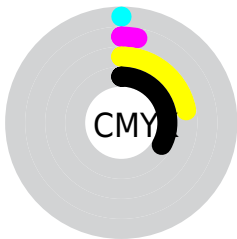
Blue (53%)



Red (55%)

Yellow (67%)

Blue (53%)

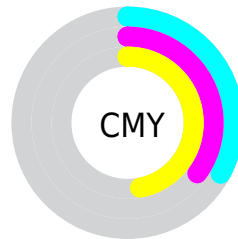


Cyan (0%)

Magenta (3%)

Yellow (22%)

Black (33%)



Cyan (33%)


Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1293, 0.3468, 0.3763 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 38.1293, 0.3468, 0.3763 by changing the saturation by 10% instead.


 38.1293, 0.3468,
0.3763


 38.1293, 0.3468,
0.3763


338.1743, 0.3294,
0.3517

 26.0831, 0.3513,
0.3827

 72.3063, 0.3404,
0.3671

 16.8858, 0.3570,
0.3911


 95.2058, 0.3380,
0.3638

 10.1531, 0.3647,
0.4026


 122.4919, 0.3360,
0.3609

 5.5006, 0.3754,
0.4190

154.5489, 0.3343,
0.3585

 2.5439, 0.3911,
0.4443

191.7613, 0.3328,
0.3565

 0.8985, 0.4594,
0.5406

234.5133, 0.3315,

 0.0000, 0.0000,

0.3547

0.0000

283.1896, 0.3304,
0.3531

■ 38.1293, 0.3468,
0.3763

■ 38.1293, 0.3468,
0.3763

■ 36.8615, 0.3631,
0.3981

■ 39.4934, 0.3309,
0.3545

■ 35.6809, 0.3795,
0.4192

■ 40.9521, 0.3158,
0.3334

■ 34.5852, 0.3952,
0.4387

■ 42.5107, 0.3017,
0.3132

■ 33.5697, 0.4097,
0.4557

■ 44.1722, 0.2886,
0.2943

■ 32.6294, 0.4224,
0.4692

■ 45.9397, 0.2767,
0.2767

■ 31.7585, 0.4326,
0.4785

■ 47.8162, 0.2658,
0.2605

■ 30.9502, 0.4401,
0.4835

■ 49.8043, 0.2561,
0.2457

■ 30.3453, 0.4446,
0.4852

■ 50.7897, 0.2561,
0.2479

■ 51.7528, 0.2564,
0.2506

Harmonies

Analogous

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



38.1293, 0.3633, 0.3649



38.1293, 0.3468, 0.3763



38.1293, 0.3215, 0.3745

Triad

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



38.1293, 0.3468, 0.3763



38.1293, 0.2623, 0.3094



38.1293, 0.3297, 0.3017

Complementary

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



38.1293, 0.3468, 0.3763



26.5216, 0.2768, 0.2768

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.



38.1293, 0.3021, 0.2881



38.1293, 0.3468, 0.3763



38.1293, 0.2642, 0.2914

Square

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



38.1293, 0.3468, 0.3763



38.1293, 0.2732, 0.3342



38.1293, 0.2784, 0.2841



38.1293, 0.3534, 0.3221

Rectangle

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



38.1293, 0.3468, 0.3763



38.1293, 0.3033, 0.3653



38.1293, 0.2784, 0.2841



38.1293, 0.3205, 0.2963

Sweetspot

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



38.1310, 0.3468, 0.3763



72.9114, 0.3233, 0.3439



27.6879, 0.3509, 0.3216



15.8128, 0.3241, 0.3451



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.1310, 0.3468, 0.3763



67.8871, 0.3555, 0.3880



38.5175, 0.3320, 0.3854



9.1464, 0.3266, 0.3485



22.6290, 0.4443, 0.4854



0.6787, 0.4357, 0.4922

Inverse Universe

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



26.5216, 0.2768, 0.2768



42.7205, 0.2669, 0.2621



26.3174, 0.2901, 0.2709



7.9220, 0.2986, 0.3087



2.7146, 0.1533, 0.0719



0.1277, 0.1645, 0.1122

Previews

White Background



This preview shows how the Yxy color 38.1293, 0.3468, 0.3763 looks on a white background.

Color Contrast Check

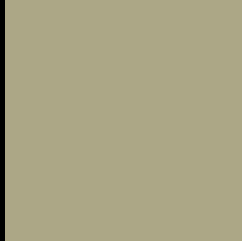
Large Text (above 18pt) WCAG AA × Fail

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 38.1293, 0.3468, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

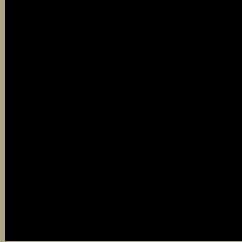
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1293, 0.3468, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 38.1293, 0.3468, 0.3763.



This preview shows how white text looks on a background with the Yxy color 38.1293, 0.3468, 0.3763.

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

38.1293, 0.3468, 0.3763

Protanopia

38.1960, 0.3519, 0.3758

Deuteranopia

38.2566, 0.3684, 0.3613



Tritanopia

37.8928, 0.3164, 0.3113

Trichromacy



Original Color

38.1293, 0.3468, 0.3763

Protanomaly

38.0799, 0.3509, 0.3759

Deuteranomaly

38.2579, 0.3601, 0.3676

Tritanomaly

37.8115, 0.3278, 0.3346

Monochromacy



Original Color

38.1293, 0.3468, 0.3763

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.9304, 0.3251, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1293, 0.3468, 0.3763 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(172, 167, 134)` looks like.

```
.text, #text, p{  
    color:rgb(172, 167, 134)  
}
```

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(172, 167, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 134) }
```

Border

The CSS property to change the border of an element to Yxy 38.1293, 0.3468, 0.3763 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(172, 167, 134) }
```

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

```
.border{ border-color:rgb(172, 167, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 167, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 167, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 167, 134);  
box-shadow:4px 4px 4px 4px rgb(172, 167,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1293, 0.3468, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 134) }
```

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

```
.background{ background-color: rgb(172,  
167, 134) }
```

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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