

Converting Colors

$Y_{xy}(40.3006, 0.3685, 0.4373)$

Have a look what the booklet for
Yxy(40.3006, 0.3685, 0.4373)
contains.

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Color

Yxy(40.2764, 0.3688, 0.4378)

Conversions

Conversions Part 1

Format	Color
Hex	A8B063
RGB	168, 176, 99
RGB Percent	66%, 69%, 39%
CMY	0.3411, 0.3098, 0.6117
CMYK	0.05, 0.00, 0.44, 0.31
HSL	66°, 33%, 54%
HSV	66°, 44%, 69%
XYZ	33.9286, 40.2764, 17.7923
YIQ	164.8300, 19.9490, -25.6430

Conversions

Conversions Part 2

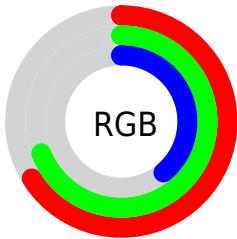
Format	Color
RYB	99, 176, 107
Decimal	11055203
CIELab	69.67, -14.56, 38.36
CIELCh	70, 41.029, 110.789
Yxy	40.2764, 0.3688, 0.4378
Android (android.graphics.Color)	4289245283 (0xFFA8B063)
YUV	164.8300, -32.4542, 2.7801
Hunter-Lab	63.4637, -15.6328, 27.8024

Details

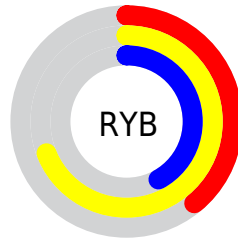
The Yxy color **40.2764, 0.3688, 0.4378** is a light color, and the websafe version is hex **999966**. A complement of this color would be **15.1857, 0.2398, 0.1983**, and the grayscale version is **37.6947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7949, 0.3592, 0.4177**, and **18.2230, 0.3804, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **39.7784, 0.3796, 0.4605**, and if you desaturate by 10%, it is **40.8542, 0.3567, 0.4133**.

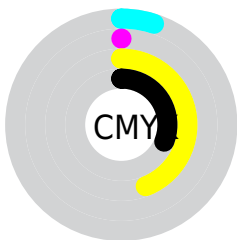
Distribution



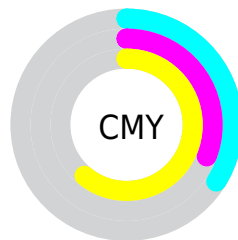
- Red (66%)
- Green (69%)
- Blue (39%)



- Red (39%)
- Yellow (69%)
- Blue (42%)



- Cyan (5%)
- Magenta (0%)
- Yellow (44%)
- Black (31%)



- Cyan (34%)
- Magenta (31%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2764, 0.3688, 0.4378 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 40.2764, 0.3688, 0.4378 by changing the saturation by 10% instead.

 40.2764, 0.3688,
0.4378


 40.2764, 0.3688,
0.4378


347.2872, 0.3420,
0.3814


 27.7541, 0.3747,
0.4521


 75.5842, 0.3596,
0.4170


 18.1404, 0.3816,
0.4704

 99.1385, 0.3559,
0.4093

 11.0508, 0.3893,
0.4942


 127.1390, 0.3528,
0.4028

 6.1010, 0.3970,
0.5260

 159.9700, 0.3500,
0.3972

 2.9066, 0.4135,
0.5865

198.0159, 0.3477,
0.3924

 1.0832, 0.3792,
0.6208

241.6612, 0.3455,

 0.0000, 0.0000,

0.3883

0.0000

291.2901, 0.3437,
0.3846

■ 40.2764, 0.3688,
0.4378

■ 40.2764, 0.3688,
0.4378

■ 39.7784, 0.3796,
0.4605

■ 40.8542, 0.3567,
0.4133

■ 39.3500, 0.3886,
0.4803

■ 41.5107, 0.3438,
0.3880

■ 38.9875, 0.3952,
0.4966


■ 42.2518, 0.3306,
0.3626


■ 38.6848, 0.3994,
0.5085


■ 43.0814, 0.3175,
0.3380


■ 38.4343, 0.4011,
0.5162


■ 44.0028, 0.3049,
0.3145

 38.2940, 0.4013,
0.5196

 45.0195, 0.2929,
0.2925

 46.1347, 0.2816,
0.2721

 47.3513, 0.2713,
0.2535

 48.5160, 0.2631,
0.2389

Harmonies

Analogous

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



40.2764, 0.4144, 0.4135



40.2764, 0.3688, 0.4378



40.2764, 0.3106, 0.4282

Triad

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



40.2764, 0.3688, 0.4378



40.2764, 0.2055, 0.2690



40.2764, 0.3669, 0.2825

Complementary

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



40.2764, 0.3688, 0.4378



15.1857, 0.2398, 0.1983

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.



40.2764, 0.3054, 0.2508



40.2764, 0.3688, 0.4378



40.2764, 0.2169, 0.2408

Square

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



40.2764, 0.3688, 0.4378



40.2764, 0.2187, 0.3197



40.2764, 0.2515, 0.2356



40.2764, 0.4156, 0.3251

Rectangle

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



40.2764, 0.3688, 0.4378



40.2764, 0.2728, 0.4003



40.2764, 0.2515, 0.2356



40.2764, 0.3467, 0.2704

Sweetspot

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



40.2782, 0.3688, 0.4378



76.7046, 0.3299, 0.3613



20.5860, 0.4202, 0.3408



16.5567, 0.3328, 0.3668



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.



40.2782, 0.3688, 0.4378



72.2154, 0.3788, 0.4587



36.6823, 0.3323, 0.4523



9.8610, 0.3248, 0.3516



28.1119, 0.4015, 0.5194



0.8973, 0.4068, 0.5152

Inverse Universe

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



15.1857, 0.2398, 0.1983



21.0485, 0.2214, 0.1670



18.0985, 0.2811, 0.2119



8.2709, 0.3000, 0.3056



2.4089, 0.1542, 0.0623



0.0894, 0.1702, 0.0711

Previews

White Background



This preview shows how the Yxy color 40.2764, 0.3688, 0.4378 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 40.2764, 0.3688, 0.4378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

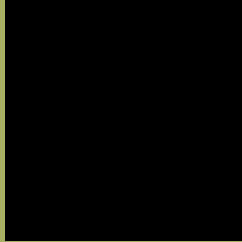
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2764, 0.3688, 0.4378

Background



This preview shows how black text looks on a background with the Yxy color 40.2764, 0.3688, 0.4378.



This preview shows how white text looks on a background with the Yxy color 40.2764, 0.3688, 0.4378.

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

40.2764, 0.3688, 0.4378

Protanopia

40.1773, 0.3926, 0.4260

Deuteranopia

39.9218, 0.4126, 0.4040



Tritanopia

40.2798, 0.3108, 0.3115

Trichromacy



Original Color

40.2764, 0.3688, 0.4378

Protanomaly

40.0902, 0.3836, 0.4298

Deuteranomaly

39.7835, 0.3962, 0.4158

Tritanomaly

39.9825, 0.3328, 0.3556

Monochromacy



Original Color

40.2764, 0.3688, 0.4378

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.4060, 0.3342, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2764, 0.3688, 0.4378 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, 176, 99)` looks like.

```
.text, #text, p{  
    color:rgb(168, 176, 99)  
}
```

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, 176, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 176, 99) }
```

Border

The CSS property to change the border of an element to Yxy 40.2764, 0.3688, 0.4378 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, 176, 99) }
```

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

```
.border{ border-color:rgb(168, 176, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 176, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 176, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 176, 99);  
box-shadow:4px 4px 4px 4px rgb(168, 176,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2764, 0.3688, 0.4378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 176, 99) }
```

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

```
.background{ background-color: rgb(168,  
176, 99) }
```

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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