

Converting Colors

$Y_{xy}(40.4092, 0.3566, 0.4373)$

Have a look what the booklet for
Yxy(40.4092, 0.3566, 0.4373)
contains.

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Color

Yxy(40.3138, 0.3563, 0.4364)

Conversions

Conversions Part 1

Format	Color
Hex	A0B268
RGB	160, 178, 104
RGB Percent	63%, 70%, 41%
CMY	0.3726, 0.3019, 0.5920
CMYK	0.10, 0.00, 0.42, 0.30
HSL	75°, 32%, 55%
HSV	75°, 42%, 70%
XYZ	32.9143, 40.3138, 19.1500
YIQ	164.1820, 13.0260, -26.8300

Conversions

Conversions Part 2

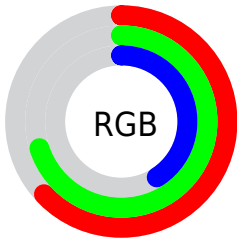
Format	Color
RYB	104, 178, 122
Decimal	10531432
CIELab	69.69, -18.25, 35.69
CIELCh	70, 40.084, 117.079
Yxy	40.3138, 0.3563, 0.4364
Android (android.graphics.Color)	4288721512 (0xFFA0B268)
YUV	164.1820, -29.6697, -3.6676
Hunter-Lab	63.4931, -18.5801, 26.5629

Details

The Yxy color **40.3138, 0.3563, 0.4364** is a light color, and the websafe version is hex **999966**. A complement of this color would be **17.2624, 0.2544, 0.2089**, and the grayscale version is **37.3553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8449, 0.3496, 0.4160**, and **18.0689, 0.3657, 0.4691** is the 20% darker color. If you saturate the color by 10%, you get **39.5519, 0.3649, 0.4618**, and if you desaturate by 10%, it is **41.1713, 0.3465, 0.4099**.

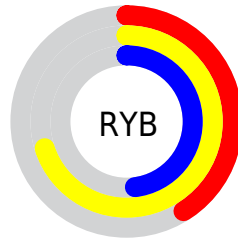
Distribution



Red (63%)

Green (70%)

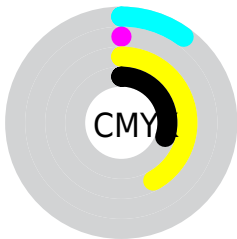
Blue (41%)



Red (41%)

Yellow (70%)

Blue (48%)

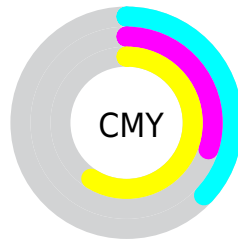


Cyan (10%)

Magenta (0%)

Yellow (42%)

Black (30%)



Cyan (37%)


Magenta (30%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3138, 0.3563, 0.4364 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 40.3138, 0.3563, 0.4364 by changing the saturation by 10% instead.

 40.3138, 0.3563,
0.4364

 40.3138, 0.3563,
0.4364

347.4444, 0.3358,
0.3801

 27.7833, 0.3607,
0.4510


 75.6411, 0.3493,
0.4155


 18.1624, 0.3657,
0.4699


 99.2067, 0.3465,
0.4077

 11.0666, 0.3712,
0.4951


 127.2195, 0.3441,
0.4012

 6.1117, 0.3760,
0.5296

 160.0638, 0.3420,
0.3957

 2.9131, 0.3942,
0.6058

198.1240, 0.3402,
0.3910

 1.0865, 0.3458,
0.6542

241.7846, 0.3385,

 0.0000, 0.0000,

0.3869

0.0000

291.4300, 0.3371,
0.3833

■ 40.3138, 0.3563,
0.4364

■ 40.3138, 0.3563,
0.4364

■ 39.5519, 0.3649,
0.4618

■ 41.1713, 0.3465,
0.4099

■ 38.8751, 0.3718,
0.4851

■ 42.1235, 0.3359,
0.3833

■ 38.2797, 0.3765,
0.5051


■ 43.1766, 0.3251,
0.3574


■ 37.7594, 0.3788,
0.5209

■ 44.3343, 0.3144,
0.3327


■ 37.3067, 0.3786,
0.5322


■ 45.6005, 0.3039,
0.3096

 36.9643, 0.3769,
0.5389

 46.9788, 0.2940,
0.2883

 48.4723, 0.2847,
0.2688

 50.0844, 0.2760,
0.2511

 51.2090, 0.2737,
0.2436

Harmonies

Analogous

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



40.3138, 0.4046, 0.4187



40.3138, 0.3563, 0.4364



40.3138, 0.2988, 0.4187

Triad

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



40.3138, 0.3563, 0.4364



40.3138, 0.2080, 0.2627



40.3138, 0.3774, 0.2916

Complementary

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



40.3138, 0.3563, 0.4364



17.2624, 0.2544, 0.2089

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.



40.3138, 0.3182, 0.2578



40.3138, 0.3563, 0.4364



40.3138, 0.2242, 0.2398

Square

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



40.3138, 0.3563, 0.4364



40.3138, 0.2159, 0.3082



40.3138, 0.2626, 0.2391



40.3138, 0.4197, 0.3348

Rectangle

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



40.3138, 0.3563, 0.4364



40.3138, 0.2632, 0.3873



40.3138, 0.2626, 0.2391



40.3138, 0.3585, 0.2790

Sweetspot

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



40.3156, 0.3563, 0.4364



78.1609, 0.3258, 0.3590



24.2112, 0.4063, 0.3547



17.2603, 0.3272, 0.3623



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.3156, 0.3563, 0.4364



71.8087, 0.3644, 0.4601



37.1110, 0.3230, 0.4489



9.8003, 0.3227, 0.3518



26.4760, 0.3774, 0.5385



0.8582, 0.3897, 0.5287

Inverse Universe

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



17.2624, 0.2544, 0.2089



24.2818, 0.2380, 0.1785



20.4183, 0.2944, 0.2215



8.3268, 0.3022, 0.3057



2.6985, 0.1650, 0.0683



0.1125, 0.1949, 0.0847

Previews

White Background



This preview shows how the Yxy color 40.3138, 0.3563, 0.4364 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 40.3138, 0.3563, 0.4364 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 40.3138, 0.3563, 0.4364

Background



This preview shows how black text looks on a background with the Yxy color 40.3138, 0.3563, 0.4364.



This preview shows how white text looks on a background with the Yxy color 40.3138, 0.3563, 0.4364.

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

40.3138, 0.3563, 0.4364

Protanopia

40.1281, 0.3883, 0.4215

Deuteranopia

39.9025, 0.4062, 0.3973



Tritanopia

40.2994, 0.3028, 0.3112

Trichromacy



Original Color

40.3138, 0.3563, 0.4364

Protanomaly

40.1936, 0.3769, 0.4270

Deuteranomaly

39.8856, 0.3875, 0.4105

Tritanomaly

39.9451, 0.3224, 0.3547

Monochromacy



Original Color

40.3138, 0.3563, 0.4364

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.1155, 0.3304, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3138, 0.3563, 0.4364 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(160, 178, 104)` looks like.

```
.text, #text, p{  
    color:rgb(160, 178, 104)  
}
```

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(160, 178, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 178, 104) }
```

Border

The CSS property to change the border of an element to Yxy 40.3138, 0.3563, 0.4364 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(160, 178, 104) }
```

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

```
.border{ border-color:rgb(160, 178, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 178, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 178, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 178, 104);  
box-shadow:4px 4px 4px 4px rgb(160, 178,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3138, 0.3563, 0.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 178, 104) }
```

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

```
.background{ background-color: rgb(160,  
178, 104) }
```

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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