

Converting Colors

$Y_{xy}(42.2570, 0.3459, 0.3846)$

Have a look what the booklet for
Yxy(42.2570, 0.3459, 0.3846)
contains.

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Color

Yxy(42.0583, 0.3464, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	B0B088
RGB	176, 176, 136
RGB Percent	69%, 69%, 53%
CMY	0.3096, 0.3098, 0.4666
CMYK	0.00, 0.00, 0.23, 0.31
HSL	60°, 20%, 61%
HSV	60°, 23%, 69%
XYZ	37.8809, 42.0583, 29.4168
YIQ	171.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

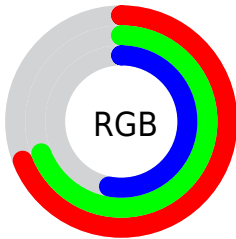
Format	Color
RYB	136, 176, 136
Decimal	11579528
CIELab	70.91, -6.66, 20.55
CIELCh	71, 21.606, 107.953
Yxy	42.0583, 0.3464, 0.3846
Android (android.graphics.Color)	4289769608 (0xFFB0B088)
YUV	171.4400, -17.4719, 3.9991
Hunter-Lab	64.8524, -9.2281, 18.5030

Details

The Yxy color **42.0583, 0.3464, 0.3846** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.9957, 0.2749, 0.2666**, and the grayscale version is **41.0461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5432, 0.3406, 0.3751**, and **19.2981, 0.3554, 0.4022** is the 20% darker color. If you saturate the color by 10%, you get **41.5916, 0.3612, 0.4091**, and if you desaturate by 10%, it is **42.6110, 0.3314, 0.3599**.

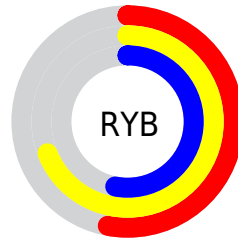
Distribution



Red (69%)

Green (69%)

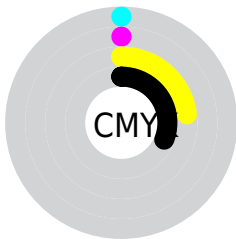
Blue (53%)



Red (53%)

Yellow (69%)

Blue (53%)

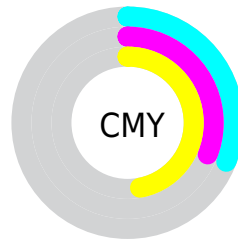


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0583, 0.3464, 0.3846 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 42.0583, 0.3464, 0.3846 by changing the saturation by 10% instead.


 42.0583, 0.3464,
0.3846

 42.0583, 0.3464,
0.3846


354.7246, 0.3296,
0.3560


 29.1469, 0.3505,
0.3920


 78.2879, 0.3403,
0.3740

 19.1920, 0.3558,
0.4015


 102.3748, 0.3380,
0.3701

 11.8091, 0.3627,
0.4144


 130.9558, 0.3361,
0.3668

 6.6138, 0.3719,
0.4326

164.4152, 0.3344,
0.3640

 3.2218, 0.3846,
0.4600

203.1374, 0.3330,
0.3616

 1.2486, 0.4432,
0.5568

247.5067, 0.3317,

 0.1009, 0.0000,

0.3595

1.0000

297.9077, 0.3306,
0.3576

0.0000, 0.0000,
0.0000

42.0583, 0.3464,
0.3846

42.0583, 0.3464,
0.3846

41.5916, 0.3612,
0.4091

42.6110, 0.3314,
0.3599

41.2012, 0.3753,
0.4323

43.2477, 0.3167,
0.3355

40.8848, 0.3882,
0.4535

43.9739, 0.3025,
0.3122

40.6373, 0.3992,
0.4717

44.7929, 0.2892,
0.2901

40.4537, 0.4080,
0.4861

45.7077, 0.2768,
0.2696

■ 40.3277, 0.4142,
0.4964

■ 46.7215, 0.2654,
0.2508

■ 40.2521, 0.4179,
0.5025

■ 47.5611, 0.2574,
0.2376

■ 40.2175, 0.4195,
0.5051

■ 47.5695, 0.2574,
0.2377

■ 47.5780, 0.2574,
0.2377

Harmonies

Analogous

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



42.0583, 0.3683, 0.3738



42.0583, 0.3464, 0.3846



42.0583, 0.3162, 0.3793

Triad

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



42.0583, 0.3464, 0.3846



42.0583, 0.2542, 0.3010



42.0583, 0.3385, 0.3021

Complementary

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



42.0583, 0.3464, 0.3846



25.9957, 0.2749, 0.2666

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.



42.0583, 0.3068, 0.2846



42.0583, 0.3464, 0.3846



42.0583, 0.2594, 0.2830

Square

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



42.0583, 0.3464, 0.3846



42.0583, 0.2637, 0.3286



42.0583, 0.2781, 0.2775



42.0583, 0.3639, 0.3262

Rectangle

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



42.0583, 0.3464, 0.3846



42.0583, 0.2955, 0.3666



42.0583, 0.2781, 0.2775



42.0583, 0.3281, 0.2953

Sweetspot

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



42.0602, 0.3464, 0.3846



77.8715, 0.3231, 0.3461



28.6425, 0.3576, 0.3282



16.8616, 0.3239, 0.3475



89.0005, 0.3127, 0.3290



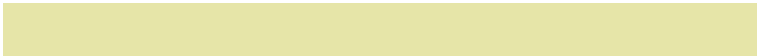
17.0645, 0.3127, 0.3290

Same Dimension

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



42.0602, 0.3464, 0.3846



75.8242, 0.3535, 0.3963



39.9816, 0.3283, 0.3880



9.9049, 0.3263, 0.3515



29.4939, 0.4195, 0.5051



0.9286, 0.4195, 0.5051

Inverse Universe

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



25.9957, 0.2749, 0.2666



41.8206, 0.2658, 0.2515



27.7510, 0.2940, 0.2698



8.2318, 0.2985, 0.3055



2.3039, 0.1500, 0.0601



0.0730, 0.1502, 0.0605

Previews

White Background



This preview shows how the Yxy color 42.0583, 0.3464, 0.3846 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 42.0583, 0.3464, 0.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

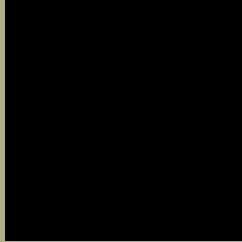
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

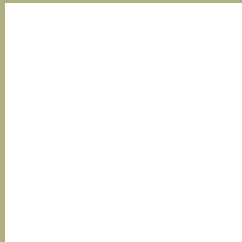
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0583, 0.3464, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 42.0583, 0.3464, 0.3846.



This preview shows how white text looks on a background with the Yxy color 42.0583, 0.3464, 0.3846.

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

42.0583, 0.3464, 0.3846

Protanopia

41.9507, 0.3568, 0.3806

Deuteranopia

42.0290, 0.3728, 0.3664



Tritanopia

42.1134, 0.3126, 0.3119

Trichromacy



Original Color

42.0583, 0.3464, 0.3846

Protanomaly

41.9665, 0.3536, 0.3824

Deuteranomaly

41.8930, 0.3638, 0.3728

Tritanomaly

41.9615, 0.3251, 0.3371

Monochromacy



Original Color

42.0583, 0.3464, 0.3846

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2400, 0.3253, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0583, 0.3464, 0.3846 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(176, 176, 136)` looks like.

```
.text, #text, p{  
    color:rgb(176, 176, 136)  
}
```

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(176, 176, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 176, 136) }
```

Border

The CSS property to change the border of an element to Yxy 42.0583, 0.3464, 0.3846 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(176, 176, 136) }
```

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

```
.border{ border-color:rgb(176, 176, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 176, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 176, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 176, 136);  
box-shadow:4px 4px 4px 4px rgb(176, 176,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0583, 0.3464, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 176, 136) }
```

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

```
.background{ background-color: rgb(176,  
176, 136) }
```

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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