

Converting Colors

$Yxy(42.6283, 0.3244, 0.3475)$

Have a look what the booklet for
Yxy(42.6283, 0.3244, 0.3475)
contains.

Yxy(42.4987, 0.3244, 0.3468)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4987, 0.3244, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	B0AFA2
RGB	176, 175, 162
RGB Percent	69%, 69%, 64%
CMY	0.3099, 0.3137, 0.3647
CMYK	0.00, 0.01, 0.08, 0.31
HSL	56°, 8%, 66%
HSV	56°, 8%, 69%
XYZ	39.7537, 42.4987, 40.2929
YIQ	173.8170, 4.7690, -3.8310

Conversions

Conversions Part 2

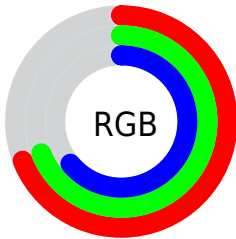
Format	Color
RYB	163, 176, 162
Decimal	11579298
CIELab	71.21, -2.00, 6.78
CIELCh	71, 7.067, 106.406
Yxy	42.4987, 0.3244, 0.3468
Android (android.graphics.Color)	4289769378 (0xFFB0AFA2)
YUV	173.8170, -5.8258, 1.9145
Hunter-Lab	65.1910, -5.2345, 8.9881

Details

The Yxy color **42.4987, 0.3244, 0.3468** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0042, 0.3007, 0.3106**, and the grayscale version is **42.2573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7592, 0.3225, 0.3427**, and **19.5027, 0.3277, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **41.4418, 0.3397, 0.3699**, and if you desaturate by 10%, it is **43.6512, 0.3098, 0.3245**.

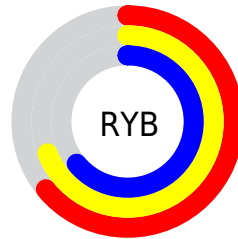
Distribution



Red (69%)

Green (69%)

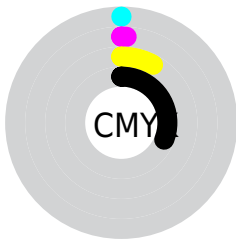
Blue (64%)



Red (64%)

Yellow (69%)

Blue (64%)

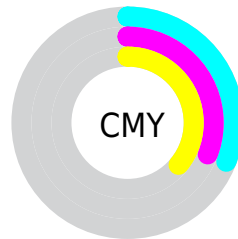


Cyan (0%)

Magenta (1%)

Yellow (8%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4987, 0.3244, 0.3468 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 42.4987, 0.3244, 0.3468 by changing the saturation by 10% instead.


 42.4987, 0.3244,
0.3468


 42.4987, 0.3244,
0.3468

356.5461, 0.3185,
0.3377

 29.4920, 0.3259,
0.3491


 78.9538, 0.3222,
0.3435

 19.4533, 0.3278,
0.3522


 103.1710, 0.3214,
0.3422

 11.9983, 0.3305,
0.3563


131.8939, 0.3207,
0.3412

 6.7425, 0.3341,
0.3621

165.5067, 0.3202,
0.3403

 3.3016, 0.3398,
0.3712

204.3940, 0.3197,
0.3395

 1.2911, 0.3496,
0.3872

248.9400, 0.3192,

 0.1343, 0.3702,

0.3388

0.6298

299.5293, 0.3188,
0.3382

0.0000, 0.0000,
0.0000

42.4987, 0.3244,
0.3468

42.4987, 0.3244,
0.3468

41.4418, 0.3397,
0.3699

43.6512, 0.3098,
0.3245

40.4714, 0.3553,
0.3931

44.8972, 0.2960,
0.3033

39.5855, 0.3708,
0.4159

46.2418, 0.2833,
0.2835

38.7798, 0.3856,
0.4372

47.6881, 0.2716,
0.2652

38.0497, 0.3992,
0.4561

49.2390, 0.2609,
0.2485

■ 37.3904, 0.4109,
0.4718

■ 50.0592, 0.2582,
0.2450

■ 36.7959, 0.4202,
0.4836

■ 50.5658, 0.2584,
0.2465

■ 36.2598, 0.4269,
0.4910

■ 51.0769, 0.2586,
0.2479

■ 35.7712, 0.4312,
0.4946

■ 51.5924, 0.2587,
0.2494

Harmonies

Analogous

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



42.4987, 0.3310, 0.3437



42.4987, 0.3244, 0.3468



42.4987, 0.3147, 0.3450

Triad

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



42.4987, 0.3244, 0.3468



42.4987, 0.2931, 0.3207



42.4987, 0.3207, 0.3196

Complementary

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



42.4987, 0.3244, 0.3468



37.0042, 0.3007, 0.3106

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.



42.4987, 0.3105, 0.3137



42.4987, 0.3244, 0.3468



42.4987, 0.2947, 0.3142

Square

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



42.4987, 0.3244, 0.3468



42.4987, 0.2968, 0.3297



42.4987, 0.3010, 0.3117



42.4987, 0.3289, 0.3280

Rectangle

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



42.4987, 0.3244, 0.3468



42.4987, 0.3078, 0.3412



42.4987, 0.3010, 0.3117



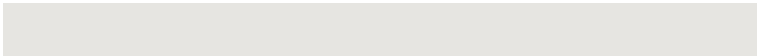
42.4987, 0.3174, 0.3173

Sweetspot

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



42.5006, 0.3244, 0.3468



78.3098, 0.3157, 0.3335



37.7219, 0.3251, 0.3274



16.9761, 0.3155, 0.3333



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.



42.5006, 0.3244, 0.3468



76.6543, 0.3278, 0.3519



42.2173, 0.3190, 0.3484



9.8031, 0.3265, 0.3500



26.2144, 0.4319, 0.4953



0.8549, 0.4280, 0.4983

Inverse Universe

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



37.0042, 0.3007, 0.3106



64.0715, 0.2971, 0.3050



37.2834, 0.3060, 0.3095



8.3222, 0.2985, 0.3071



2.5319, 0.1515, 0.0654



0.1110, 0.1576, 0.0874

Previews

White Background



This preview shows how the Yxy color 42.4987, 0.3244, 0.3468 looks on a white background.

Color Contrast Check

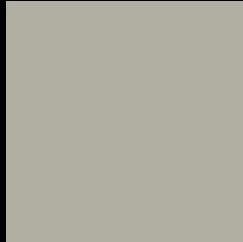
Large Text (above 18pt) WCAG AA × Fail

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 42.4987, 0.3244, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

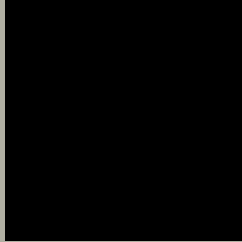
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

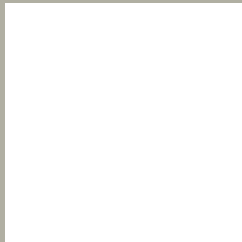
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4987, 0.3244, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 42.4987, 0.3244, 0.3468.



This preview shows how white text looks on a background with the Yxy color 42.4987, 0.3244, 0.3468.

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

42.4987, 0.3244, 0.3468

Protanopia

42.5486, 0.3291, 0.3467

Deuteranopia

42.2517, 0.3425, 0.3356



Tritanopia

42.5915, 0.3082, 0.3118

Trichromacy



Original Color

42.4987, 0.3244, 0.3468

Protanomaly

42.4290, 0.3282, 0.3467

Deuteranomaly

42.4615, 0.3353, 0.3397

Tritanomaly

42.5264, 0.3139, 0.3237

Monochromacy



Original Color

42.4987, 0.3244, 0.3468

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2883, 0.3169, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4987, 0.3244, 0.3468 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, 175, 162)` looks like.

```
.text, #text, p{  
    color:rgb(176, 175, 162)  
}
```

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, 175, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 175, 162) }
```

Border

The CSS property to change the border of an element to Yxy 42.4987, 0.3244, 0.3468 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, 175, 162) }
```

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

```
.border{ border-color:rgb(176, 175, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 175, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 175, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 175, 162);  
box-shadow:4px 4px 4px 4px rgb(176, 175,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4987, 0.3244, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 175, 162) }
```

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

```
.background{ background-color: rgb(176,  
175, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor