

Converting Colors

Yxy(42.4645, 0.3310, 0.3608)

Have a look what the booklet for
Yxy(42.4645, 0.3310, 0.3608)
contains.

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Color

Yxy(42.4645, 0.3310, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	AFB099
RGB	175, 176, 153
RGB Percent	69%, 69%, 60%
CMY	0.3136, 0.3098, 0.4001
CMYK	0.01, 0.00, 0.13, 0.31
HSL	63°, 13%, 65%
HSV	63°, 13%, 69%
XYZ	38.9572, 42.4645, 36.2737
YIQ	173.0790, 6.7870, -7.3650

Conversions

Conversions Part 2

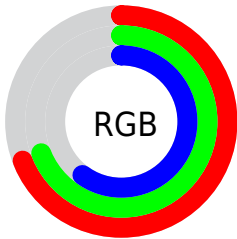
Format	Color
RYB	153, 176, 154
Decimal	11514009
CIELab	71.19, -4.41, 11.68
CIELCh	71, 12.486, 110.680
Yxy	42.4645, 0.3310, 0.3608
Android (android.graphics.Color)	4289704089 (0xFFAFB099)
YUV	173.0790, -9.8989, 1.6847
Hunter-Lab	65.1648, -7.3265, 12.6118

Details

The Yxy color **42.4645, 0.3310, 0.3608** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7788, 0.2932, 0.2953**, and the grayscale version is **41.8824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2071, 0.3281, 0.3556**, and **19.5122, 0.3355, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **41.8410, 0.3453, 0.3858**, and if you desaturate by 10%, it is **43.1779, 0.3169, 0.3363**.

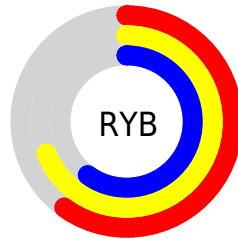
Distribution



Red (69%)

Green (69%)

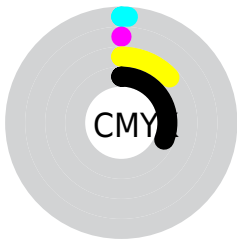
Blue (60%)



Red (60%)

Yellow (69%)

Blue (60%)

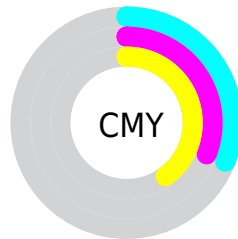


Cyan (1%)

Magenta (0%)

Yellow (13%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4645, 0.3310, 0.3608 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 42.4645, 0.3310, 0.3608 by changing the saturation by 10% instead.


 42.4645, 0.3310,
0.3608


 42.4645, 0.3310,
0.3608

356.4049, 0.3218,
0.3445

 29.4652, 0.3333,
0.3650

 78.9021, 0.3276,
0.3548

 19.4330, 0.3363,
0.3705


 103.1093, 0.3264,
0.3525

 11.9836, 0.3402,
0.3779


131.8211, 0.3253,
0.3507

 6.7325, 0.3458,
0.3885

165.4220, 0.3244,
0.3491

 3.2954, 0.3540,
0.4049

204.2965, 0.3236,
0.3477

 1.2878, 0.3748,
0.4424

248.8289, 0.3229,

 0.1317, 0.1177,

0.3465

0.8823

299.4035, 0.3223,
0.3454

0.0000, 0.0000,
0.0000

42.4645, 0.3310,
0.3608

42.4645, 0.3310,
0.3608

41.8410, 0.3453,
0.3858

43.1779, 0.3169,
0.3363

41.2982, 0.3593,
0.4106

43.9793, 0.3034,
0.3129

40.8339, 0.3726,
0.4344

44.8737, 0.2906,
0.2909

40.4438, 0.3846,
0.4562

45.8644, 0.2787,
0.2705

40.1230, 0.3948,
0.4751

46.9543, 0.2677,
0.2517

■ 39.8662, 0.4027,
0.4903

■ 47.9132, 0.2597,
0.2380

■ 39.6672, 0.4081,
0.5013

■ 48.0026, 0.2602,
0.2381

■ 39.5189, 0.4110,
0.5081

■ 48.0924, 0.2607,
0.2383

■ 39.4348, 0.4120,
0.5111

■ 48.1828, 0.2613,
0.2384

Harmonies

Analogous

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



42.4645, 0.3439, 0.3561



42.4645, 0.3310, 0.3608



42.4645, 0.3134, 0.3565

Triad

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



42.4645, 0.3310, 0.3608



42.4645, 0.2783, 0.3121



42.4645, 0.3292, 0.3144

Complementary

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



42.4645, 0.3310, 0.3608



32.7788, 0.2932, 0.2953

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.



42.4645, 0.3112, 0.3034



42.4645, 0.3310, 0.3608



42.4645, 0.2822, 0.3017

Square

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



42.4645, 0.3310, 0.3608



42.4645, 0.2833, 0.3276



42.4645, 0.2941, 0.2988



42.4645, 0.3430, 0.3292

Rectangle

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



42.4645, 0.3310, 0.3608



42.4645, 0.3015, 0.3490



42.4645, 0.2941, 0.2988



42.4645, 0.3234, 0.3102

Sweetspot

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



42.4664, 0.3310, 0.3608



78.1763, 0.3183, 0.3387



34.5593, 0.3360, 0.3302



16.9204, 0.3194, 0.3405



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.



42.4664, 0.3310, 0.3608



76.6411, 0.3356, 0.3688



41.2130, 0.3207, 0.3618



9.8880, 0.3257, 0.3515



28.9412, 0.4121, 0.5110



0.9162, 0.4142, 0.5093

Inverse Universe

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



32.7788, 0.2932, 0.2953



55.2416, 0.2879, 0.2862



33.9398, 0.3038, 0.2963



8.2467, 0.2991, 0.3055



2.3417, 0.1516, 0.0609



0.0793, 0.1585, 0.0647

Previews

White Background



This preview shows how the Yxy color 42.4645, 0.3310, 0.3608 looks on a white background.

Color Contrast Check

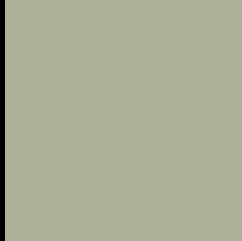
Large Text (above 18pt) WCAG AA × Fail

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 42.4645, 0.3310, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

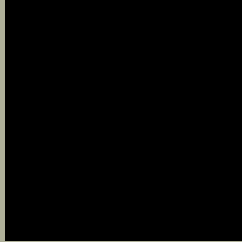
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

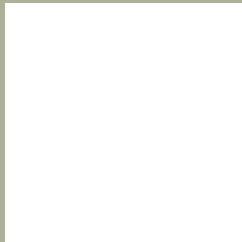
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4645, 0.3310, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 42.4645, 0.3310, 0.3608.



This preview shows how white text looks on a background with the Yxy color 42.4645, 0.3310, 0.3608.

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

42.4645, 0.3310, 0.3608

Protanopia

42.4842, 0.3387, 0.3589

Deuteranopia

42.3776, 0.3527, 0.3459



Tritanopia

42.3319, 0.3091, 0.3105

Trichromacy



Original Color

42.4645, 0.3310, 0.3608

Protanomaly

42.5106, 0.3357, 0.3605

Deuteranomaly

42.4061, 0.3452, 0.3516

Tritanomaly

42.3692, 0.3172, 0.3290

Monochromacy



Original Color

42.4645, 0.3310, 0.3608

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.0239, 0.3194, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4645, 0.3310, 0.3608 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(175, 176, 153)` looks like.

```
.text, #text, p{  
    color:rgb(175, 176, 153)  
}
```

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(175, 176, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 176, 153) }
```

Border

The CSS property to change the border of an element to Yxy 42.4645, 0.3310, 0.3608 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(175, 176, 153) }
```

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

```
.border{ border-color:rgb(175, 176, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 176, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 176, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 176, 153);  
box-shadow:4px 4px 4px 4px rgb(175, 176,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4645, 0.3310, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 176, 153) }
```

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

```
.background{ background-color: rgb(175,  
176, 153) }
```

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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