

Converting Colors

$Y_{xy}(40.7223, 0.3253, 0.3316)$

Have a look what the booklet for
Yxy(40.7223, 0.3253, 0.3316)
contains.

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Color

Yxy(40.8693, 0.3246, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	B4A9A7
RGB	180, 169, 167
RGB Percent	71%, 66%, 65%
CMY	0.2939, 0.3373, 0.3450
CMYK	0.00, 0.06, 0.07, 0.29
HSL	9°, 8%, 68%
HSV	9°, 7%, 71%
XYZ	39.9945, 40.8693, 42.3478
YIQ	172.0610, 7.1980, 1.7100

Conversions

Conversions Part 2

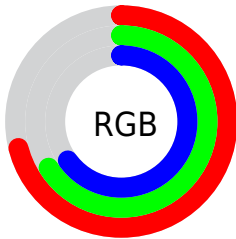
Format	Color
RYB	180, 169, 167
Decimal	11839911
CIELab	70.08, 3.62, 2.43
CIELCh	70, 4.365, 33.862
Yxy	40.8693, 0.3246, 0.3317
Android (android.graphics.Color)	4290029991 (0xFFB4A9A7)
YUV	172.0610, -2.4951, 6.9625
Hunter-Lab	63.9291, -0.2051, 5.4756

Details

The Yxy color **40.8693, 0.3246, 0.3317** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.3856, 0.3017, 0.3263**, and the grayscale version is **41.3016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4181, 0.3225, 0.3311**, and **18.4724, 0.3280, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **34.8937, 0.3441, 0.3357**, and if you desaturate by 10%, it is **47.6057, 0.3086, 0.3280**.

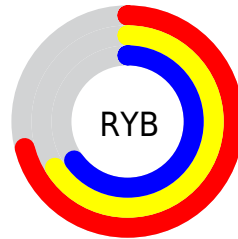
Distribution



Red (71%)

Green (66%)

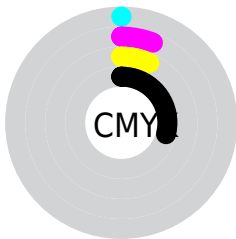
Blue (65%)



Red (71%)

Yellow (66%)

Blue (65%)

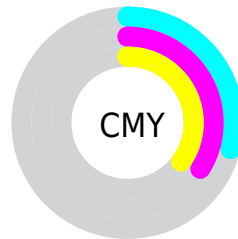


Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (29%)



Cyan (29%)


Magenta (34%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8693, 0.3246, 0.3317 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 40.8693, 0.3246, 0.3317 by changing the saturation by 10% instead.


 40.8693, 0.3246,
0.3317


 40.8693, 0.3246,
0.3317


349.7741, 0.3185,
0.3304

 28.2170, 0.3262,
0.3320


 76.4854, 0.3224,
0.3312

 18.4893, 0.3282,
0.3325


 100.2181, 0.3215,
0.3310

 11.3018, 0.3310,
0.3330


128.4129, 0.3208,
0.3309

 6.2702, 0.3350,
0.3339

161.4543, 0.3202,
0.3307

 3.0101, 0.3413,
0.3351

199.7268, 0.3197,
0.3306

 1.1370, 0.3523,
0.3370

243.6146, 0.3193,

 0.0093, 0.9126,

0.3305

0.0874

293.5022, 0.3189,
0.3304

0.0000, 0.0000,
0.0000

40.8693, 0.3246,
0.3317

40.8693, 0.3246,
0.3317

34.8937, 0.3441,
0.3357

47.6057, 0.3086,
0.3280

29.6470, 0.3677,
0.3399

55.1229, 0.2954,
0.3246

25.1028, 0.3963,
0.3440

63.4468, 0.2846,
0.3216

21.2311, 0.4301,
0.3479

72.6003, 0.2755,
0.3188

17.9999, 0.4690,
0.3510

82.4734, 0.2690,
0.3184

■ 15.3742, 0.5114,
0.3526

■ 88.4489, 0.2701,
0.3289

■ 13.3160, 0.5539,
0.3520

■ 11.7826, 0.5914,
0.3485

■ 10.7236, 0.6190,
0.3428

Harmonies

Analogous

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



40.8693, 0.3210, 0.3261



40.8693, 0.3246, 0.3317



40.8693, 0.3250, 0.3367

Triad

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



40.8693, 0.3246, 0.3317



40.8693, 0.3102, 0.3370



40.8693, 0.3034, 0.3184

Complementary

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



40.8693, 0.3246, 0.3317



43.3856, 0.3017, 0.3263

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.



40.8693, 0.3006, 0.3212



40.8693, 0.3246, 0.3317



40.8693, 0.3045, 0.3319

Square

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



40.8693, 0.3246, 0.3317



40.8693, 0.3167, 0.3398



40.8693, 0.3010, 0.3261



40.8693, 0.3087, 0.3185

Rectangle

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



40.8693, 0.3246, 0.3317



40.8693, 0.3234, 0.3390



40.8693, 0.3010, 0.3261



40.8693, 0.3021, 0.3191

Sweetspot

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



40.8711, 0.3246, 0.3317



80.2402, 0.3159, 0.3297



40.5708, 0.3152, 0.3142



17.3715, 0.3157, 0.3297



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.



40.8711, 0.3246, 0.3317



71.8836, 0.3280, 0.3324



43.3491, 0.3238, 0.3404



8.7059, 0.3283, 0.3325



7.3907, 0.6238, 0.3429



0.2968, 0.5796, 0.3780

Inverse Universe

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



43.3856, 0.3017, 0.3263



77.5737, 0.2988, 0.3255



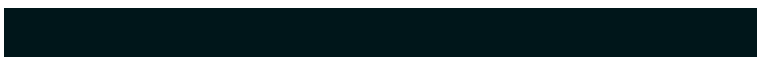
40.8592, 0.3018, 0.3173



9.4082, 0.2986, 0.3255



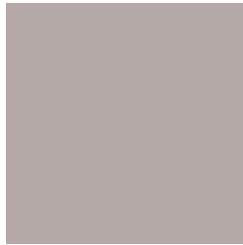
18.2278, 0.2114, 0.2810



0.6326, 0.2155, 0.2957

Previews

White Background



This preview shows how the Yxy color 40.8693, 0.3246, 0.3317 looks on a white background.

Color Contrast Check

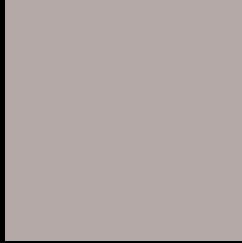
Large Text (above 18pt) WCAG AA × Fail

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 40.8693, 0.3246, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

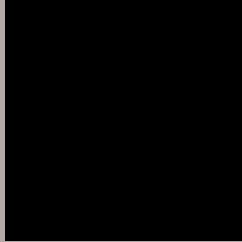
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

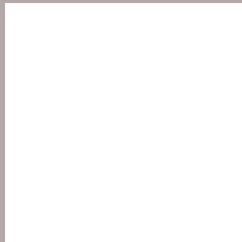
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8693, 0.3246, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 40.8693, 0.3246, 0.3317.



This preview shows how white text looks on a background with the Yxy color 40.8693, 0.3246, 0.3317.

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

40.8693, 0.3246, 0.3317

Protanopia

41.0669, 0.3189, 0.3331

Deuteranopia

40.9184, 0.3326, 0.3264



Tritanopia

40.8778, 0.3154, 0.3118

Trichromacy



Original Color

40.8693, 0.3246, 0.3317

Protanomaly

40.9237, 0.3208, 0.3318

Deuteranomaly

40.9037, 0.3296, 0.3277

Tritanomaly

40.9242, 0.3187, 0.3197

Monochromacy



Original Color

40.8693, 0.3246, 0.3317

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1421, 0.3172, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8693, 0.3246, 0.3317 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(180, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(180, 169, 167)  
}
```

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(180, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 169, 167) }
```

Border

The CSS property to change the border of an element to Yxy 40.8693, 0.3246, 0.3317 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(180, 169, 167) }
```

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

```
.border{ border-color:rgb(180, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(180, 169,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8693, 0.3246, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 169, 167) }
```

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

```
.background{ background-color: rgb(180,  
169, 167) }
```

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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