

Converting Colors

$Y_{xy}(40.4000, 0.3202, 0.3260)$

Have a look what the booklet for
Yxy(40.4000, 0.3202, 0.3260)
contains.

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Color

Yxy(40.3725, 0.3202, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	B2A8AA
RGB	178, 168, 170
RGB Percent	70%, 66%, 67%
CMY	0.3020, 0.3412, 0.3333
CMYK	0.00, 0.06, 0.04, 0.30
HSL	348°, 6%, 68%
HSV	348°, 6%, 70%
XYZ	39.6178, 40.3725, 43.7379
YIQ	171.2180, 5.3180, 2.7420

Conversions

Conversions Part 2

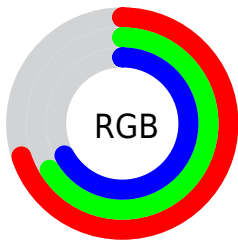
Format	Color
RYB	178, 168, 170
Decimal	11708586
CIELab	69.73, 3.95, 0.25
CIELCh	70, 3.962, 3.589
Yxy	40.3725, 0.3202, 0.3263
Android (android.graphics.Color)	4289898666 (0xFFB2A8AA)
YUV	171.2180, -0.6005, 5.9478
Hunter-Lab	63.5394, 0.1036, 3.6647

Details

The Yxy color **40.3725, 0.3202, 0.3263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.2983, 0.3057, 0.3317**, and the grayscale version is **40.8417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7040, 0.3192, 0.3269**, and **18.1588, 0.3219, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **33.7356, 0.3359, 0.3212**, and if you desaturate by 10%, it is **47.9708, 0.3074, 0.3310**.

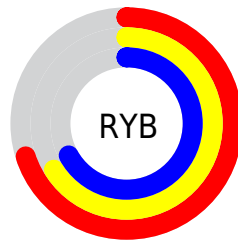
Distribution



Red (70%)

Green (66%)

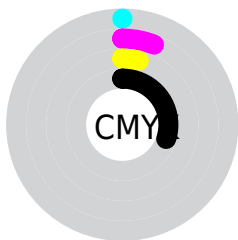
Blue (67%)



Red (70%)

Yellow (66%)

Blue (67%)

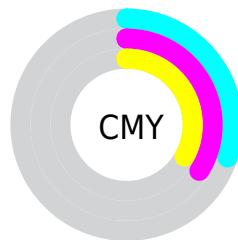


Cyan (0%)

Magenta (6%)

Yellow (4%)

Black (30%)



Cyan (30%)


Magenta (34%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3725, 0.3202, 0.3263 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 40.3725, 0.3202, 0.3263 by changing the saturation by 10% instead.


 40.3725, 0.3202,
0.3263


 40.3725, 0.3202,
0.3263


347.6911, 0.3164,
0.3277

 27.8291, 0.3212,
0.3259


 75.7304, 0.3188,
0.3268

 18.1969, 0.3225,
0.3255


 99.3137, 0.3183,
0.3270

 11.0914, 0.3242,
0.3248


127.3458, 0.3178,
0.3272

 6.1284, 0.3268,
0.3239

160.2110, 0.3174,
0.3273

 2.9233, 0.3307,
0.3224

198.2937, 0.3171,
0.3274

 1.0918, 0.3377,
0.3199

241.9784, 0.3168,

 0.0000, 1.0000,

0.3275

0.0000

291.6494, 0.3166,
0.3276

0.0000, 0.0000,
0.0000

40.3725, 0.3202,
0.3263

40.3725, 0.3202,
0.3263

33.7356, 0.3359,
0.3212

47.9708, 0.3074,
0.3310

28.0167, 0.3553,
0.3159

56.5614, 0.2971,
0.3354

23.1768, 0.3791,
0.3105

66.1800, 0.2886,
0.3393

19.1723, 0.4079,
0.3054

76.8591, 0.2817,
0.3429

15.9554, 0.4418,
0.3012

87.3453, 0.2758,
0.3440

■ 13.4739, 0.4802,
0.2987

■ 88.2043, 0.2691,
0.3289

■ 11.6690, 0.5211,
0.2987

■ 10.4729, 0.5607,
0.3021

■ 9.8004, 0.5942,
0.3088

Harmonies

Analogous

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



40.3725, 0.3149, 0.3219



40.3725, 0.3202, 0.3263



40.3725, 0.3235, 0.3314

Triad

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



40.3725, 0.3202, 0.3263



40.3725, 0.3164, 0.3388



40.3725, 0.3016, 0.3220

Complementary

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



40.3725, 0.3202, 0.3263



43.2983, 0.3057, 0.3317

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.



40.3725, 0.3020, 0.3265



40.3725, 0.3202, 0.3263



40.3725, 0.3105, 0.3363

Square

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



40.3725, 0.3202, 0.3263



40.3725, 0.3213, 0.3387



40.3725, 0.3053, 0.3317



40.3725, 0.3042, 0.3194

Rectangle

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



40.3725, 0.3202, 0.3263



40.3725, 0.3241, 0.3346



40.3725, 0.3053, 0.3317



40.3725, 0.3014, 0.3233

Sweetspot

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



40.3743, 0.3202, 0.3263



77.9466, 0.3153, 0.3280



40.4318, 0.3114, 0.3155



17.3013, 0.3152, 0.3281



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.



40.3743, 0.3202, 0.3263



71.2945, 0.3224, 0.3256



41.3555, 0.3216, 0.3329



8.8203, 0.3229, 0.3254



6.8695, 0.6042, 0.3102



0.2243, 0.5302, 0.2694

Inverse Universe

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



40.3743, 0.3202, 0.3263



71.2945, 0.3224, 0.3256



42.2635, 0.3042, 0.3251



8.8203, 0.3229, 0.3254



6.8695, 0.6042, 0.3102



0.2243, 0.5302, 0.2694

Previews

White Background



This preview shows how the Yxy color 40.3725, 0.3202, 0.3263 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 40.3725, 0.3202, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

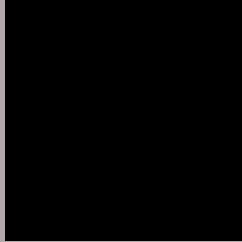
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

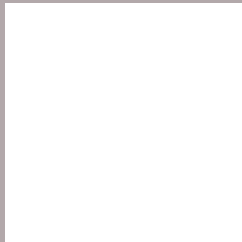
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3725, 0.3202, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 40.3725, 0.3202, 0.3263.

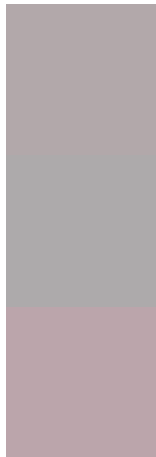


This preview shows how white text looks on a background with the Yxy color 40.3725, 0.3202, 0.3263.

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

40.3725, 0.3202, 0.3263

Protanopia

40.5740, 0.3146, 0.3276

Deuteranopia

40.4153, 0.3281, 0.3211



Tritanopia

40.5164, 0.3126, 0.3116

Trichromacy



Original Color

40.3725, 0.3202, 0.3263

Protanomaly

40.4302, 0.3165, 0.3263

Deuteranomaly

40.4031, 0.3252, 0.3224

Tritanomaly

40.3557, 0.3160, 0.3169

Monochromacy



Original Color

40.3725, 0.3202, 0.3263

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.6884, 0.3155, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3725, 0.3202, 0.3263 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(178, 168, 170)` looks like.

```
.text, #text, p{  
    color:rgb(178, 168, 170)  
}
```

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(178, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 168, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.3725, 0.3202, 0.3263 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(178, 168, 170) }
```

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

```
.border{ border-color:rgb(178, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 168, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 168, 170);  
box-shadow:4px 4px 4px 4px rgb(178, 168,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3725, 0.3202, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 168, 170) }
```

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

```
.background{ background-color: rgb(178,  
168, 170) }
```

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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