

Converting Colors

$Y_{xy}(42.1741, 0.3205, 0.3118)$

Have a look what the booklet for
Yxy(42.1741, 0.3205, 0.3118)
contains.

Yxy(42.1603, 0.3208, 0.3122)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1603, 0.3208, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	BDA8B5
RGB	189, 168, 181
RGB Percent	74%, 66%, 71%
CMY	0.2590, 0.3411, 0.2903
CMYK	0.00, 0.11, 0.04, 0.26
HSL	323°, 14%, 70%
HSV	323°, 11%, 74%
XYZ	43.3217, 42.1603, 49.5606
YIQ	175.7610, 8.3430, 8.4950

Conversions

Conversions Part 2

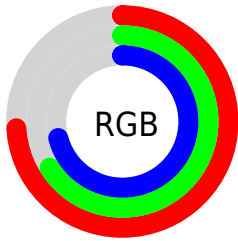
Format	Color
RYB	189, 168, 181
Decimal	12429493
CIELab	70.98, 9.87, -3.88
CIELCh	71, 10.607, 338.548
Yxy	42.1603, 0.3208, 0.3122
Android (android.graphics.Color)	4290619573 (0xFFBDA8B5)
YUV	175.7610, 2.5828, 11.6106
Hunter-Lab	64.9310, 5.4653, 0.1967

Details

The Yxy color $42.1603, 0.3208, 0.3122$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.8427, 0.3054, 0.3464$, and the grayscale version is $43.2670, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3023, 0.3190, 0.3149$, and $19.2835, 0.3239, 0.3078$ is the 20% darker color. If you saturate the color by 10%, you get $35.3954, 0.3295, 0.2963$, and if you desaturate by 10%, it is $49.9581, 0.3134, 0.3274$.

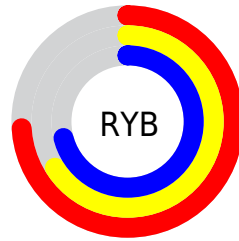
Distribution



Red (74%)

Green (66%)

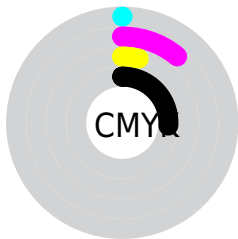
Blue (71%)



Red (74%)

Yellow (66%)

Blue (71%)

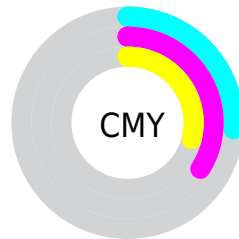


Cyan (0%)

Magenta (11%)

Yellow (4%)

Black (26%)



Cyan (26%)


Magenta (34%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1603, 0.3208, 0.3122 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 42.1603, 0.3208, 0.3122 by changing the saturation by 10% instead.


 42.1603, 0.3208,
0.3122

 42.1603, 0.3208,
0.3122

355.1470, 0.3167,
0.3206

 29.2268, 0.3218,
0.3101


 78.4422, 0.3193,
0.3153

 19.2525, 0.3231,
0.3073


 102.5594, 0.3188,
0.3164

 11.8529, 0.3249,
0.3037

131.1733, 0.3183,
0.3174

 6.6436, 0.3273,
0.2986

164.6682, 0.3179,
0.3182

 3.2402, 0.3311,
0.2909

203.4287, 0.3176,
0.3190

 1.2584, 0.3373,
0.2779

247.8391, 0.3173,

 0.1086, 0.4087,

0.3196

0.1290

298.2837, 0.3170,
0.3201

■ 0.0000, 0.0000,
0.0000

■ 42.1603, 0.3208,
0.3122

■ 42.1603, 0.3208,
0.3122

■ 35.3954, 0.3295,
0.2963

■ 49.9581, 0.3134,
0.3274

■ 29.6142, 0.3398,
0.2801

■ 58.8243, 0.3073,
0.3417

■ 24.7715, 0.3518,
0.2642

■ 68.7998, 0.3022,
0.3550

■ 20.8166, 0.3654,
0.2492

■ 79.9214, 0.2979,
0.3673

■ 17.6937, 0.3806,
0.2363

■ 87.3441, 0.2942,
0.3710

■ 15.3410, 0.3971,
0.2265

■ 87.7271, 0.2904,
0.3627

■ 13.6877, 0.4142,
0.2209

■ 88.1267, 0.2866,
0.3546

■ 12.6499, 0.4315,
0.2203

■ 88.5431, 0.2829,
0.3466

■ 12.0977, 0.4466,
0.2234

■ 88.9764, 0.2792,
0.3388

Harmonies

Analogous

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



42.1603, 0.3053, 0.3048



42.1603, 0.3208, 0.3122



42.1603, 0.3344, 0.3239

Triad

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



42.1603, 0.3208, 0.3122



42.1603, 0.3335, 0.3553



42.1603, 0.2841, 0.3197

Complementary

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



42.1603, 0.3208, 0.3122



47.8427, 0.3054, 0.3464

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.



42.1603, 0.2913, 0.3337



42.1603, 0.3208, 0.3122



42.1603, 0.3196, 0.3547

Square

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



42.1603, 0.3208, 0.3122



42.1603, 0.3418, 0.3487



42.1603, 0.3042, 0.3468



42.1603, 0.2844, 0.3087

Rectangle

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



42.1603, 0.3208, 0.3122



42.1603, 0.3404, 0.3328



42.1603, 0.3042, 0.3468



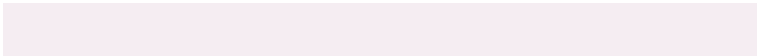
42.1603, 0.2857, 0.3242

Sweetspot

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



42.1621, 0.3208, 0.3122



86.6202, 0.3148, 0.3245



40.8798, 0.3022, 0.3011



18.3763, 0.3153, 0.3233



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.1621, 0.3208, 0.3122



72.8173, 0.3225, 0.3089



41.7597, 0.3297, 0.3254



9.6329, 0.3194, 0.3149



8.1581, 0.4445, 0.2223



0.3319, 0.4076, 0.2019

Inverse Universe

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



42.1621, 0.3208, 0.3122



72.8173, 0.3225, 0.3089



48.2605, 0.2979, 0.3327



9.6329, 0.3194, 0.3149



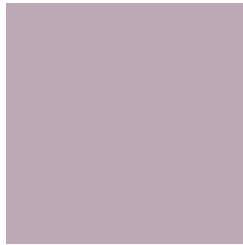
8.1581, 0.4445, 0.2223



0.3319, 0.4076, 0.2019

Previews

White Background



This preview shows how the Yxy color 42.1603, 0.3208, 0.3122 looks on a white background.

Color Contrast Check

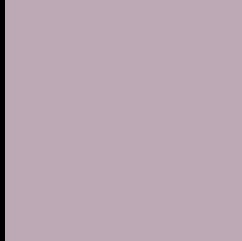
Large Text (above 18pt) WCAG AA × Fail

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 42.1603, 0.3208, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

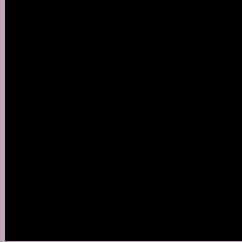
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1603, 0.3208, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 42.1603, 0.3208, 0.3122.



This preview shows how white text looks on a background with the Yxy color 42.1603, 0.3208, 0.3122.

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

42.1603, 0.3208, 0.3122

Protanopia

42.3465, 0.3046, 0.3142

Deuteranopia

42.2769, 0.3189, 0.3134



Tritanopia

42.1603, 0.3208, 0.3122

Trichromacy



Original Color

42.1603, 0.3208, 0.3122

Protanomaly

42.1284, 0.3099, 0.3131

Deuteranomaly

42.4035, 0.3198, 0.3134

Tritanomaly

42.1603, 0.3208, 0.3122

Monochromacy



Original Color

42.1603, 0.3208, 0.3122

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.9252, 0.3157, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1603, 0.3208, 0.3122 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(189, 168, 181)` looks like.

```
.text, #text, p{  
    color:rgb(189, 168, 181)  
}
```

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(189, 168, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 168, 181) }
```

Border

The CSS property to change the border of an element to Yxy 42.1603, 0.3208, 0.3122 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(189, 168, 181) }
```

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

```
.border{ border-color:rgb(189, 168, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 168, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 168, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 168, 181); box-shadow:4px 4px 4px 4px rgb(189, 168, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1603, 0.3208, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 168, 181) }
```

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

```
.background{ background-color: rgb(189,  
168, 181) }
```

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