

Converting Colors

$Y_{xy}(42.2012, 0.3201, 0.3112)$

Have a look what the booklet for
Yxy(42.2012, 0.3201, 0.3112)
contains.

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Color

Yxy(42.2015, 0.3200, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	BDA8B6
RGB	189, 168, 182
RGB Percent	74%, 66%, 71%
CMY	0.2587, 0.3412, 0.2863
CMYK	0.00, 0.11, 0.04, 0.26
HSL	320°, 14%, 70%
HSV	320°, 11%, 74%
XYZ	43.4367, 42.2015, 50.1016
YIQ	175.8750, 8.0220, 8.8060

Conversions

Conversions Part 2

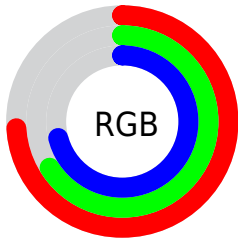
Format	Color
RYB	189, 168, 182
Decimal	12429494
CIELab	71.01, 10.09, -4.39
CIELCh	71, 11.003, 336.497
Yxy	42.2015, 0.3200, 0.3109
Android (android.graphics.Color)	4290619574 (0xFFBDA8B6)
YUV	175.8750, 3.0196, 11.5106
Hunter-Lab	64.9627, 5.6678, -0.2527

Details

The Yxy color $42.2015, 0.3200, 0.3109$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.8310, 0.3061, 0.3478$, and the grayscale version is $43.3306, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3609, 0.3183, 0.3139$, and $19.3100, 0.3227, 0.3061$ is the 20% darker color. If you saturate the color by 10%, you get $35.4677, 0.3278, 0.2939$, and if you desaturate by 10%, it is $49.9654, 0.3134, 0.3272$.

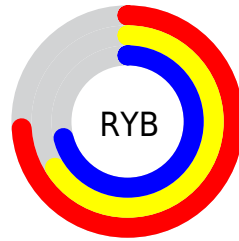
Distribution



Red (74%)

Green (66%)

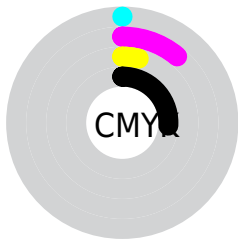
Blue (71%)



Red (74%)

Yellow (66%)

Blue (71%)

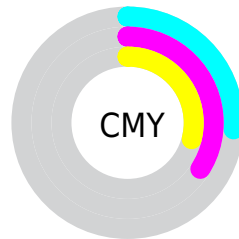


Cyan (0%)

Magenta (11%)

Yellow (4%)

Black (26%)



Cyan (26%)


Magenta (34%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2015, 0.3200, 0.3109 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 42.2015, 0.3200, 0.3109 by changing the saturation by 10% instead.


 42.2015, 0.3200,
0.3109

 42.2015, 0.3200,
0.3109


355.3176, 0.3164,
0.3200

 29.2591, 0.3209,
0.3086


 78.5045, 0.3187,
0.3142

 19.2769, 0.3221,
0.3057

 102.6339, 0.3182,
0.3154

 11.8705, 0.3236,
0.3018


131.2611, 0.3178,
0.3165

 6.6556, 0.3258,
0.2963

164.7704, 0.3174,
0.3174

 3.2477, 0.3291,
0.2880

203.5464, 0.3171,
0.3182

 1.2624, 0.3345,
0.2743

247.9733, 0.3168,

 0.1118, 0.3949,

0.3189

0.1252

298.4355, 0.3166,
0.3195

0.0000, 0.0000,
0.0000

42.2015, 0.3200,
0.3109

42.2015, 0.3200,
0.3109

35.4677, 0.3278,
0.2939

49.9654, 0.3134,
0.3272

29.7148, 0.3369,
0.2766

58.7951, 0.3078,
0.3426

24.8977, 0.3474,
0.2596

68.7311, 0.3032,
0.3569

20.9656, 0.3593,
0.2437

79.8104, 0.2993,
0.3702

17.8630, 0.3724,
0.2299

87.1810, 0.2960,
0.3748

■ 15.5277, 0.3865,
0.2192

■ 87.5105, 0.2926,
0.3675

■ 13.8892, 0.4010,
0.2128

■ 87.8527, 0.2893,
0.3603

■ 12.8634, 0.4156,
0.2112

■ 88.2077, 0.2860,
0.3532

■ 12.3209, 0.4283,
0.2133

■ 88.5758, 0.2827,
0.3462

Harmonies

Analogous

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



42.2015, 0.3039, 0.3036



42.2015, 0.3200, 0.3109



42.2015, 0.3344, 0.3228

Triad

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



42.2015, 0.3200, 0.3109



42.2015, 0.3350, 0.3560



42.2015, 0.2834, 0.3203

Complementary

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



42.2015, 0.3200, 0.3109



47.8310, 0.3061, 0.3478

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.



42.2015, 0.2913, 0.3349



42.2015, 0.3200, 0.3109



42.2015, 0.3210, 0.3560

Square

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



42.2015, 0.3200, 0.3109



42.2015, 0.3432, 0.3487



42.2015, 0.3050, 0.3482



42.2015, 0.2831, 0.3085

Rectangle

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



42.2015, 0.3200, 0.3109



42.2015, 0.3410, 0.3319



42.2015, 0.3050, 0.3482



42.2015, 0.2852, 0.3250

Sweetspot

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



42.2033, 0.3200, 0.3109



86.6404, 0.3146, 0.3242



40.7941, 0.3015, 0.3010



18.3817, 0.3151, 0.3229



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.



42.2033, 0.3200, 0.3109



72.9011, 0.3215, 0.3074



41.7862, 0.3292, 0.3244



9.6404, 0.3187, 0.3139



8.3013, 0.4266, 0.2124



0.3369, 0.3953, 0.1951

Inverse Universe

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



42.2033, 0.3200, 0.3109



72.9011, 0.3215, 0.3074



48.2590, 0.2984, 0.3336



9.6404, 0.3187, 0.3139



8.3013, 0.4266, 0.2124



0.3369, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 42.2015, 0.3200, 0.3109 looks on a white background.

Color Contrast Check

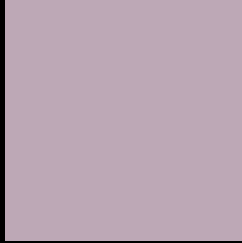
Large Text (above 18pt) WCAG AA × Fail

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 42.2015, 0.3200, 0.3109 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 42.2015, 0.3200, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 42.2015, 0.3200, 0.3109.



This preview shows how white text looks on a background with the Yxy color 42.2015, 0.3200, 0.3109.

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

42.2015, 0.3200, 0.3109

Protanopia

42.3886, 0.3038, 0.3129

Deuteranopia

42.3181, 0.3180, 0.3121



Tritanopia

42.1603, 0.3208, 0.3122

Trichromacy



Original Color

42.2015, 0.3200, 0.3109

Protanomaly

42.1702, 0.3091, 0.3118

Deuteranomaly

42.4447, 0.3190, 0.3121

Tritanomaly

42.1603, 0.3208, 0.3122

Monochromacy



Original Color

42.2015, 0.3200, 0.3109

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 42.2015, 0.3200, 0.3109 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(189, 168, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 168, 182) }
```

Border

The CSS property to change the border of an element to Yxy 42.2015, 0.3200, 0.3109 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, 182) }
```

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

```
.border{ border-color:rgb(189, 168, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 168, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 168, 182);  
box-shadow:4px 4px 4px 4px rgb(189, 168,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2015, 0.3200, 0.3109 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, 182) }
```

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

```
.background{ background-color: rgb(189,  
168, 182) }
```

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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