

Converting Colors

$Y_{xy}(49.8646, 0.3085, 0.3225)$

Have a look what the booklet for
Yxy(49.8646, 0.3085, 0.3225)
contains.

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Color

Yxy(49.9112, 0.3089, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBC0
RGB	187, 187, 192
RGB Percent	73%, 73%, 75%
CMY	0.2667, 0.2666, 0.2471
CMYK	0.03, 0.03, 0.00, 0.25
HSL	240°, 4%, 74%
HSV	240°, 3%, 75%
XYZ	47.7768, 49.9112, 56.9795
YIQ	187.5700, -1.6050, 1.5550

Conversions

Conversions Part 2

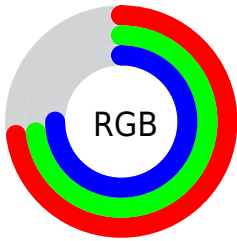
Format	Color
R _Y B	187, 187, 192
Decimal	12303296
CIE Lab	76.01, 0.94, -2.52
CIE LCh	76, 2.692, 290.408
Yxy	49.9112, 0.3089, 0.3227
Android (android.graphics.Color)	4290493376 (0xFFBBBBC0)
YUV	187.5700, 2.1840, -0.4999
Hunter-Lab	70.6479, -2.9202, 1.6344

Details

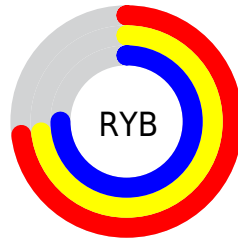
The Yxy color **49.9112, 0.3089, 0.3227** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.4851, 0.3165, 0.3352**, and the grayscale version is **50.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9332, 0.3097, 0.3241**, and **23.9826, 0.3075, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **40.0547, 0.2929, 0.2964**, and if you desaturate by 10%, it is **61.1810, 0.3228, 0.3457**.

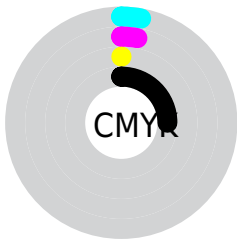
Distribution



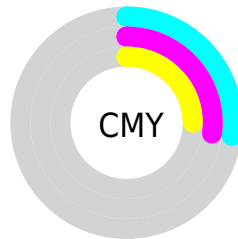
- Red (73%)
- Green (73%)
- Blue (75%)



- Red (73%)
- Yellow (73%)
- Blue (75%)



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9112, 0.3089, 0.3227 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 49.9112, 0.3089, 0.3227 by changing the saturation by 10% instead.

■ 49.9112, 0.3089,
0.3227

■ 49.9112, 0.3089,
0.3227

386.3186, 0.3108,
0.3258

■ 35.3428, 0.3084,
0.3219

■ 90.0433, 0.3096,
0.3238

■ 23.9271, 0.3078,
0.3210

116.3758, 0.3098,
0.3242

■ 15.2795, 0.3070,
0.3197

147.3985, 0.3101,
0.3246

■ 9.0158, 0.3059,
0.3179

183.4958, 0.3102,
0.3249

■ 4.7515, 0.3043,
0.3153

225.0521, 0.3104,
0.3252

■ 2.1022, 0.3017,
0.3110

272.4517, 0.3106,

■ 0.6659, 0.2950,

0.3254

0.2995

326.0791, 0.3107,
0.3256

0.0000, 0.0000,
0.0000

49.9112, 0.3089,
0.3227

49.9112, 0.3089,
0.3227

40.0547, 0.2929,
0.2964

61.1810, 0.3228,
0.3457

31.5496, 0.2749,
0.2666

73.9101, 0.3349,
0.3656

24.3390, 0.2551,
0.2339

88.1501, 0.3452,
0.3826

18.3595, 0.2340,
0.1991

96.5854, 0.3502,
0.3910

13.5423, 0.2127,
0.1638

■ 9.8118, 0.1924,
0.1303

■ 7.0838, 0.1749,
0.1013

■ 5.2613, 0.1617,
0.0794

■ 4.2285, 0.1535,
0.0658

Harmonies

Analogous

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



49.9112, 0.3064, 0.3235



49.9112, 0.3089, 0.3227



49.9112, 0.3124, 0.3236

Triad

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



49.9112, 0.3089, 0.3227



49.9112, 0.3199, 0.3323



49.9112, 0.3094, 0.3321

Complementary

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



49.9112, 0.3089, 0.3227



52.4851, 0.3165, 0.3352

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.



49.9112, 0.3130, 0.3345



49.9112, 0.3089, 0.3227



49.9112, 0.3191, 0.3346

Square

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



49.9112, 0.3089, 0.3227



49.9112, 0.3188, 0.3291



49.9112, 0.3165, 0.3354



49.9112, 0.3067, 0.3289

Rectangle

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



49.9112, 0.3089, 0.3227



49.9112, 0.3149, 0.3251



49.9112, 0.3165, 0.3354



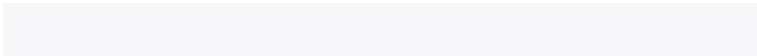
49.9112, 0.3105, 0.3330

Sweetspot

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



49.9133, 0.3089, 0.3227



93.5127, 0.3112, 0.3266



52.0620, 0.3088, 0.3291



20.0831, 0.3113, 0.3267



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



49.9133, 0.3089, 0.3227



89.5967, 0.3082, 0.3216



50.2167, 0.3109, 0.3227



11.0237, 0.3072, 0.3199



2.5670, 0.1501, 0.0601



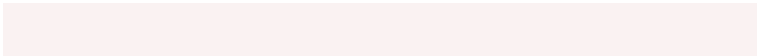
0.1119, 0.1502, 0.0606

Inverse Universe

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



50.3333, 0.3169, 0.3290



90.4858, 0.3176, 0.3290



52.1764, 0.3145, 0.3353



11.1597, 0.3188, 0.3290



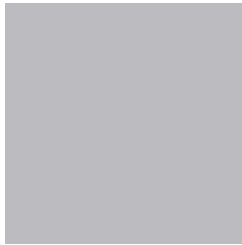
7.5414, 0.6399, 0.3298



0.3259, 0.6390, 0.3294

Previews

White Background



This preview shows how the Yxy color 49.9112, 0.3089, 0.3227 looks on a white background.

Color Contrast Check

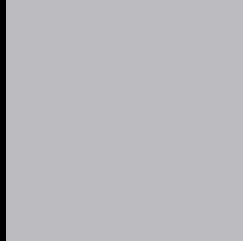
Large Text (above 18pt) WCAG AA × Fail

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 49.9112, 0.3089, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

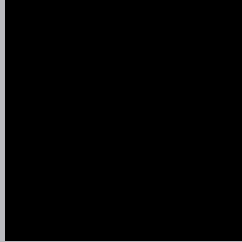
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

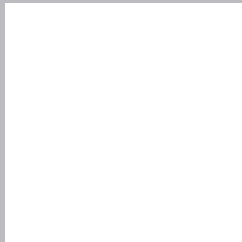
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9112, 0.3089, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 49.9112, 0.3089, 0.3227.

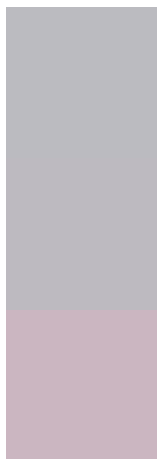


This preview shows how white text looks on a background with the Yxy color 49.9112, 0.3089, 0.3227.

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

49.9112, 0.3089, 0.3227

Protanopia

49.7424, 0.3106, 0.3215

Deuteranopia

50.0027, 0.3219, 0.3157



Tritanopia

49.9793, 0.3037, 0.3115

Trichromacy



Original Color

49.9112, 0.3089, 0.3227

Protanomaly

49.6149, 0.3098, 0.3214

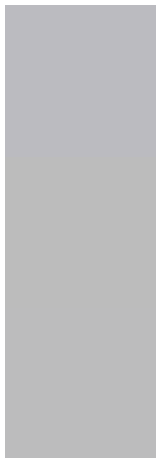
Deuteranomaly

50.0016, 0.3166, 0.3179

Tritanomaly

49.8404, 0.3060, 0.3152

Monochromacy



Original Color

49.9112, 0.3089, 0.3227

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.3319, 0.3120, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9112, 0.3089, 0.3227 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(187, 187, 192)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 192)  
}
```

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(187, 187, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 192) }
```

Border

The CSS property to change the border of an element to Yxy 49.9112, 0.3089, 0.3227 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(187, 187, 192) }
```

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

```
.border{ border-color:rgb(187, 187, 192) }
```

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

Here you see how a box with a 4 pixel rgb(187, 187, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 192);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9112, 0.3089, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 192) }
```

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

```
.background{ background-color: rgb(187,  
187, 192) }
```

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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