

Converting Colors

$Y_{xy}(50.3780, 0.3089, 0.3247)$

Have a look what the booklet for
Yxy(50.3780, 0.3089, 0.3247)
contains.

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Color

Yxy(50.3370, 0.3089, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	BBBCC0
RGB	187, 188, 192
RGB Percent	73%, 74%, 75%
CMY	0.2666, 0.2627, 0.2472
CMYK	0.03, 0.02, 0.00, 0.25
HSL	228°, 4%, 74%
HSV	228°, 3%, 75%
XYZ	47.9910, 50.3370, 57.0331
YIQ	188.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

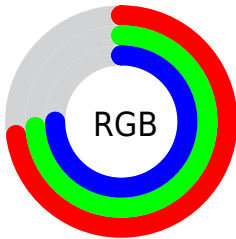
Format	Color
RYB	187, 188, 192
Decimal	12303552
CIELab	76.28, 0.41, -2.12
CIELCh	76, 2.163, 280.863
Yxy	50.3370, 0.3089, 0.3240
Android (android.graphics.Color)	4290493632 (0xFFBBBCC0)
YUV	188.1570, 1.8946, -1.0147
Hunter-Lab	70.9486, -3.4190, 2.0029

Details

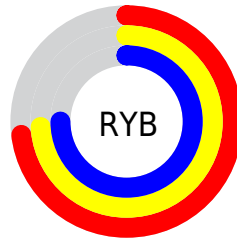
The Yxy color **50.3370, 0.3089, 0.3240** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.0427, 0.3165, 0.3340**, and the grayscale version is **50.3745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5334, 0.3097, 0.3250**, and **24.2604, 0.3075, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **41.8534, 0.2931, 0.3030**, and if you desaturate by 10%, it is **59.8486, 0.3232, 0.3425**.

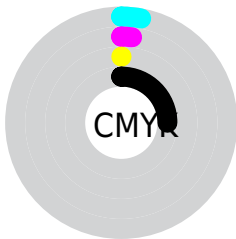
Distribution



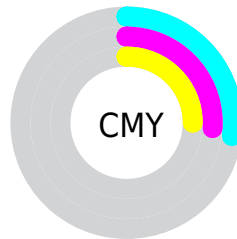
- Red (73%)
- Green (74%)
- Blue (75%)



- Red (73%)
- Yellow (74%)
- Blue (75%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3370, 0.3089, 0.3240 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 50.3370, 0.3089, 0.3240 by changing the saturation by 10% instead.

■ 50.3370, 0.3089,
0.3240

■ 50.3370, 0.3089,
0.3240

387.9824, 0.3108,
0.3265

■ 35.6812, 0.3084,
0.3234

■ 90.6740, 0.3096,
0.3249

■ 24.1881, 0.3078,
0.3226

117.1240, 0.3098,
0.3252

■ 15.4732, 0.3071,
0.3216

148.2742, 0.3101,
0.3255

■ 9.1522, 0.3060,
0.3202

184.5091, 0.3102,
0.3258

■ 4.8406, 0.3044,
0.3181

226.2129, 0.3104,
0.3260

■ 2.1540, 0.3018,
0.3147

273.7701, 0.3106,

■ 0.6948, 0.2953,

0.3262

0.3061

327.5652, 0.3107,
0.3263

■ 0.0000, 0.0000,
0.0000

■ 50.3370, 0.3089,
0.3240

■ 50.3370, 0.3089,
0.3240

■ 41.8534, 0.2931,
0.3030

■ 59.8486, 0.3232,
0.3425

■ 34.3568, 0.2759,
0.2794

■ 70.4146, 0.3359,
0.3586

■ 27.8128, 0.2575,
0.2533

■ 82.0686, 0.3473,
0.3727

■ 22.1826, 0.2384,
0.2251

■ 93.1324, 0.3514,
0.3860

■ 17.4246, 0.2191,
0.1955

■ 96.5841, 0.3502,
0.3910

■ 13.4941, 0.2006,
0.1657

■ 10.3420, 0.1840,
0.1373

■ 7.9138, 0.1703,
0.1119

■ 6.1473, 0.1605,
0.0912

Harmonies

Analogous

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



50.3370, 0.3073, 0.3250



50.3370, 0.3089, 0.3240



50.3370, 0.3116, 0.3243

Triad

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



50.3370, 0.3089, 0.3240



50.3370, 0.3184, 0.3309



50.3370, 0.3109, 0.3322

Complementary

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



50.3370, 0.3089, 0.3240



52.0427, 0.3165, 0.3340

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.



50.3370, 0.3139, 0.3338



50.3370, 0.3089, 0.3240



50.3370, 0.3182, 0.3330

Square

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



50.3370, 0.3089, 0.3240



50.3370, 0.3170, 0.3283



50.3370, 0.3166, 0.3341



50.3370, 0.3084, 0.3298

Rectangle

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



50.3370, 0.3089, 0.3240



50.3370, 0.3136, 0.3252



50.3370, 0.3166, 0.3341



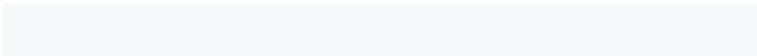
50.3370, 0.3119, 0.3329

Sweetspot

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



50.3392, 0.3089, 0.3240



93.8152, 0.3112, 0.3270



52.0104, 0.3095, 0.3302



20.1447, 0.3113, 0.3271



97.7402, 0.3127, 0.3290



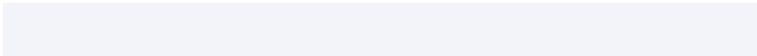
20.4902, 0.3127, 0.3290

Same Dimension

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



50.3392, 0.3089, 0.3240



90.4824, 0.3082, 0.3231



50.1085, 0.3102, 0.3228



11.1586, 0.3071, 0.3217



3.5918, 0.1558, 0.0809



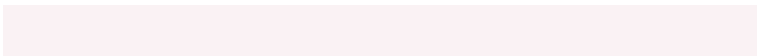
0.2538, 0.1672, 0.1219

Inverse Universe

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



50.3816, 0.3161, 0.3278



90.5752, 0.3167, 0.3276



52.2804, 0.3152, 0.3352



11.1733, 0.3177, 0.3272



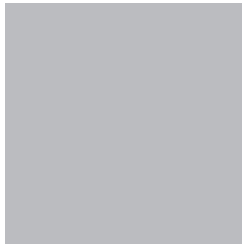
7.6448, 0.6055, 0.3109



0.3403, 0.5440, 0.2770

Previews

White Background



This preview shows how the Yxy color 50.3370, 0.3089, 0.3240 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 50.3370, 0.3089, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

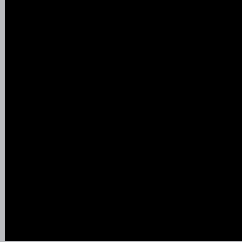
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

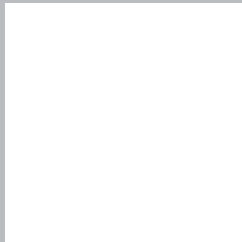
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.3370, 0.3089, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 50.3370, 0.3089, 0.3240.



This preview shows how white text looks on a background with the Yxy color 50.3370, 0.3089, 0.3240.

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

50.3370, 0.3089, 0.3240

Protanopia

50.2494, 0.3121, 0.3240

Deuteranopia

50.1435, 0.3227, 0.3157



Tritanopia

50.4491, 0.3030, 0.3116

Trichromacy



Original Color

50.3370, 0.3089, 0.3240

Protanomaly

50.1211, 0.3113, 0.3240

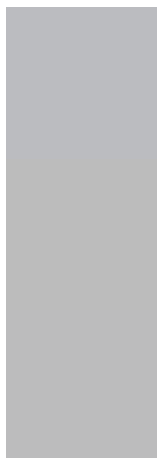
Deuteranomaly

50.1370, 0.3174, 0.3180

Tritanomaly

50.3092, 0.3052, 0.3153

Monochromacy



Original Color

50.3370, 0.3089, 0.3240

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 50.3370, 0.3089, 0.3240 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, 188, 192)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 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, 188, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 192) }
```

Border

The CSS property to change the border of an element to Yxy 50.3370, 0.3089, 0.3240 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, 188, 192) }
```

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

```
.border{ border-color:rgb(187, 188, 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, 188, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 192);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3370, 0.3089, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 192) }
```

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

```
.background{ background-color: rgb(187,  
188, 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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