

Converting Colors

$Yxy(49.6110, 0.3060, 0.3294)$

Have a look what the booklet for
Yxy(49.6110, 0.3060, 0.3294)
contains.

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Color

Yxy(49.7293, 0.3061, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	B4BDBC
RGB	180, 189, 188
RGB Percent	71%, 74%, 74%
CMY	0.2944, 0.2587, 0.2628
CMYK	0.05, 0.00, 0.01, 0.26
HSL	173°, 6%, 72%
HSV	173°, 5%, 74%
XYZ	46.0858, 49.7293, 54.7429
YIQ	186.1950, -5.0430, -2.2190

Conversions

Conversions Part 2

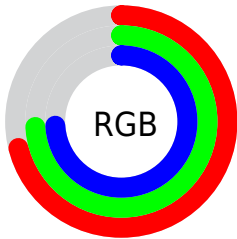
Format	Color
RYB	180, 185, 189
Decimal	11845052
CIELab	75.90, -3.33, -0.58
CIELCh	76, 3.376, 189.883
Yxy	49.7293, 0.3061, 0.3303
Android (android.graphics.Color)	4290035132 (0xFFB4BDBC)
YUV	186.1950, 0.8899, -5.4330
Hunter-Lab	70.5190, -6.7544, 3.3373

Details

The Yxy color **49.7293, 0.3061, 0.3303** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.7746, 0.3197, 0.3277**, and the grayscale version is **49.2108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6693, 0.3076, 0.3300**, and **23.8696, 0.3039, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **47.5248, 0.2928, 0.3332**, and if you desaturate by 10%, it is **52.2488, 0.3200, 0.3277**.

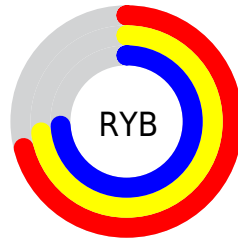
Distribution



Red (71%)

Green (74%)

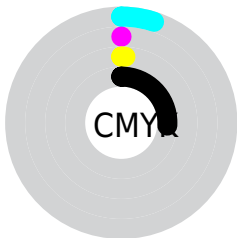
Blue (74%)



Red (71%)

Yellow (73%)

Blue (74%)

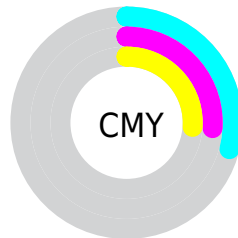


Cyan (5%)

Magenta (0%)

Yellow (1%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7293, 0.3061, 0.3303 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 49.7293, 0.3061, 0.3303 by changing the saturation by 10% instead.

■ 49.7293, 0.3061,
0.3303

■ 49.7293, 0.3061,
0.3303

385.6064, 0.3094,
0.3297

■ 35.1984, 0.3053,
0.3305

■ 89.7737, 0.3073,
0.3301

■ 23.8157, 0.3043,
0.3306

116.0559, 0.3077,
0.3300

■ 15.1970, 0.3029,
0.3309

147.0240, 0.3081,
0.3299

■ 8.9577, 0.3010,
0.3313

183.0623, 0.3084,
0.3299

■ 4.7136, 0.2982,
0.3318

224.5554, 0.3087,
0.3298

■ 2.0802, 0.2937,
0.3326

271.8874, 0.3090,

■ 0.6535, 0.2775,

0.3298

0.3359

325.4430, 0.3092,
0.3297

0.0000, 0.0000,
0.0000

49.7293, 0.3061,
0.3303

49.7293, 0.3061,
0.3303

47.5248, 0.2928,
0.3332

52.2488, 0.3200,
0.3277

45.6164, 0.2802,
0.3364

55.0886, 0.3341,
0.3253

43.9929, 0.2688,
0.3398

58.2620, 0.3483,
0.3232

42.6402, 0.2587,
0.3433

61.6753, 0.3619,
0.3213

41.5425, 0.2503,
0.3471

61.7738, 0.3601,
0.3191

■ 40.6829, 0.2436,
0.3509

■ 61.8737, 0.3583,
0.3169

■ 40.0421, 0.2388,
0.3548

■ 61.9749, 0.3566,
0.3147

■ 39.5979, 0.2359,
0.3587

■ 62.0776, 0.3548,
0.3125

■ 39.3232, 0.2348,
0.3626

■ 62.1816, 0.3530,
0.3103

Harmonies

Analogous

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



49.7293, 0.3100, 0.3341



49.7293, 0.3061, 0.3303



49.7293, 0.3040, 0.3262

Triad

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



49.7293, 0.3061, 0.3303



49.7293, 0.3107, 0.3216



49.7293, 0.3214, 0.3352

Complementary

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



49.7293, 0.3061, 0.3303



46.7746, 0.3197, 0.3277

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.



49.7293, 0.3216, 0.3318



49.7293, 0.3061, 0.3303



49.7293, 0.3154, 0.3240

Square

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



49.7293, 0.3061, 0.3303



49.7293, 0.3066, 0.3212



49.7293, 0.3194, 0.3277



49.7293, 0.3188, 0.3369

Rectangle

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



49.7293, 0.3061, 0.3303



49.7293, 0.3038, 0.3238



49.7293, 0.3194, 0.3277



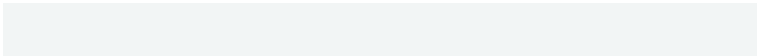
49.7293, 0.3217, 0.3342

Sweetspot

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



49.7314, 0.3061, 0.3303



90.6869, 0.3113, 0.3293



49.5212, 0.3130, 0.3408



19.5068, 0.3114, 0.3293



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.



49.7314, 0.3061, 0.3303



88.5048, 0.3043, 0.3307



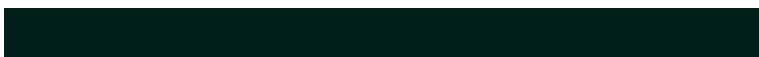
48.2956, 0.3054, 0.3245



10.9311, 0.3037, 0.3308



26.3876, 0.2345, 0.3641



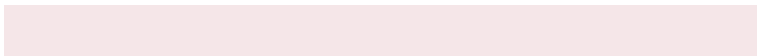
1.0390, 0.2319, 0.3548

Inverse Universe

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



46.7746, 0.3197, 0.3277



81.8459, 0.3218, 0.3273



48.1555, 0.3202, 0.3335



10.0487, 0.3225, 0.3272



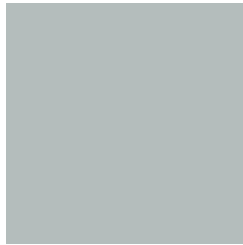
7.3226, 0.6246, 0.3214



0.2927, 0.5775, 0.2955

Previews

White Background



This preview shows how the Yxy color 49.7293, 0.3061, 0.3303 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 49.7293, 0.3061, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

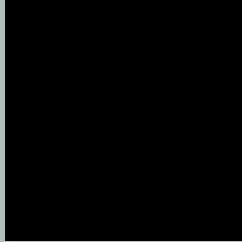
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

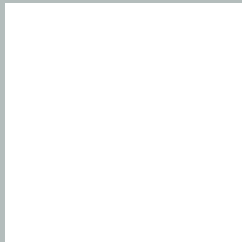
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7293, 0.3061, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 49.7293, 0.3061, 0.3303.



This preview shows how white text looks on a background with the Yxy color 49.7293, 0.3061, 0.3303.

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

49.7293, 0.3061, 0.3303

Protanopia

49.6101, 0.3161, 0.3290

Deuteranopia

49.6028, 0.3253, 0.3181



Tritanopia

49.7500, 0.2975, 0.3101

Trichromacy



Original Color

49.7293, 0.3061, 0.3303

Protanomaly

49.5676, 0.3119, 0.3290

Deuteranomaly

49.5572, 0.3181, 0.3228

Tritanomaly

49.8214, 0.3003, 0.3175

Monochromacy



Original Color

49.7293, 0.3061, 0.3303

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3189, 0.3102, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7293, 0.3061, 0.3303 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(180, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 188)  
}
```

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(180, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 188) }
```

Border

The CSS property to change the border of an element to Yxy 49.7293, 0.3061, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

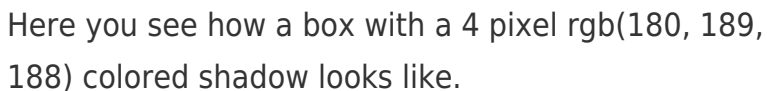
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 189, 188) }
```

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

```
.border{ border-color:rgb(180, 189, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 189, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 189, 188); box-shadow:4px 4px 4px 4px rgb(180, 189, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7293, 0.3061, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 188) }
```

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

```
.background{ background-color: rgb(180,  
189, 188) }
```

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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