

Converting Colors

$Yxy(49.5165, 0.3074, 0.3312)$

Have a look what the booklet for
Yxy(49.5165, 0.3074, 0.3312)
contains.

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Color

Yxy(49.6863, 0.3069, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	B4BDBB
RGB	180, 189, 187
RGB Percent	71%, 74%, 73%
CMY	0.2942, 0.2588, 0.2668
CMYK	0.05, 0.00, 0.01, 0.26
HSL	166°, 6%, 72%
HSV	166°, 5%, 74%
XYZ	45.9853, 49.6863, 54.1665
YIQ	186.0810, -4.7220, -2.5300

Conversions

Conversions Part 2

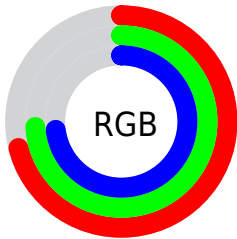
Format	Color
RYB	180, 185, 189
Decimal	11845051
CIELab	75.88, -3.50, -0.06
CIElCh	76, 3.498, 181.063
Yxy	49.6863, 0.3069, 0.3316
Android (android.graphics.Color)	4290035131 (0xFFB4BDBB)
YUV	186.0810, 0.4531, -5.3330
Hunter-Lab	70.4885, -6.9050, 3.7809

Details

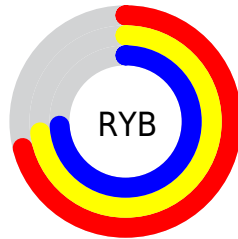
The Yxy color **49.6863, 0.3069, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.8365, 0.3189, 0.3264**, and the grayscale version is **49.1493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6087, 0.3081, 0.3310**, and **23.8416, 0.3049, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **47.3929, 0.2950, 0.3375**, and if you desaturate by 10%, it is **52.2987, 0.3192, 0.3263**.

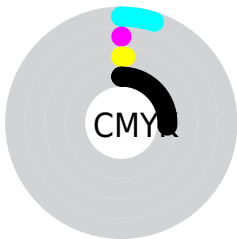
Distribution



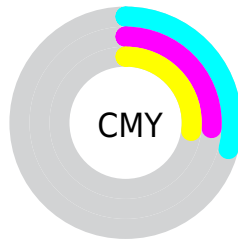
- Red (71%)
- Green (74%)
- Blue (73%)



- Red (71%)
- Yellow (73%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (29%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6863, 0.3069, 0.3316 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 49.6863, 0.3069, 0.3316 by changing the saturation by 10% instead.

■ 49.6863, 0.3069,
0.3316

■ 49.6863, 0.3069,
0.3316

385.4379, 0.3098,
0.3303

■ 35.1642, 0.3062,
0.3319

■ 89.7099, 0.3079,
0.3311

■ 23.7894, 0.3053,
0.3323

115.9802, 0.3083,
0.3310

■ 15.1775, 0.3041,
0.3328

146.9354, 0.3087,
0.3308

■ 8.9440, 0.3024,
0.3336

182.9598, 0.3090,
0.3307

■ 4.7047, 0.3000,
0.3347

224.4379, 0.3092,
0.3306

■ 2.0751, 0.2960,
0.3364

271.7540, 0.3094,

■ 0.6505, 0.2810,

0.3305


0.3430

325.2925, 0.3096,
0.3304

 0.0000, 0.0000,
0.0000


 49.6863, 0.3069,
0.3316

 49.6863, 0.3069,
0.3316


 47.3929, 0.2950,
0.3375

 52.2987, 0.3192,
0.3263


 45.3996, 0.2838,
0.3439

 55.2355, 0.3316,
0.3216


 43.6952, 0.2735,
0.3508

 58.5101, 0.3440,
0.3173

 42.2654, 0.2645,
0.3582

 62.0203, 0.3557,
0.3136

 41.0947, 0.2569,
0.3660

 62.2276, 0.3521,
0.3093

■ 40.1659, 0.2511,
0.3741

■ 62.4405, 0.3486,
0.3049

■ 39.4597, 0.2471,
0.3824

■ 62.6592, 0.3452,
0.3006

■ 38.9538, 0.2451,
0.3907

■ 62.8836, 0.3417,
0.2964

■ 38.6214, 0.2450,
0.3989

■ 63.1137, 0.3383,
0.2922

Harmonies

Analogous

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



49.6863, 0.3113, 0.3352



49.6863, 0.3069, 0.3316



49.6863, 0.3041, 0.3273

Triad

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



49.6863, 0.3069, 0.3316



49.6863, 0.3093, 0.3210



49.6863, 0.3220, 0.3345

Complementary

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



49.6863, 0.3069, 0.3316



46.8365, 0.3189, 0.3264

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.



49.6863, 0.3215, 0.3307



49.6863, 0.3069, 0.3316



49.6863, 0.3141, 0.3229

Square

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



49.6863, 0.3069, 0.3316



49.6863, 0.3054, 0.3212



49.6863, 0.3186, 0.3264



49.6863, 0.3200, 0.3369

Rectangle

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



49.6863, 0.3069, 0.3316



49.6863, 0.3034, 0.3246



49.6863, 0.3186, 0.3264



49.6863, 0.3221, 0.3333

Sweetspot

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



49.6884, 0.3069, 0.3316



90.6702, 0.3115, 0.3295



49.6510, 0.3139, 0.3407



19.5034, 0.3115, 0.3295



95.5105, 0.3127, 0.3290



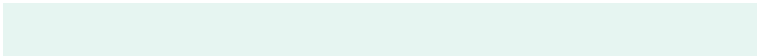
19.5994, 0.3127, 0.3290

Same Dimension

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



49.6884, 0.3069, 0.3316



88.4055, 0.3053, 0.3323



48.7496, 0.3054, 0.3259



10.9180, 0.3048, 0.3326



25.9044, 0.2450, 0.4021



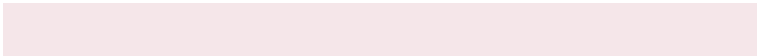
1.0239, 0.2396, 0.3825

Inverse Universe

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



46.8365, 0.3189, 0.3264



81.9399, 0.3207, 0.3257



47.7327, 0.3203, 0.3321



10.0612, 0.3213, 0.3254



7.4044, 0.5977, 0.3066



0.3003, 0.5294, 0.2690

Previews

White Background



This preview shows how the Yxy color 49.6863, 0.3069, 0.3316 looks on a white background.

Color Contrast Check

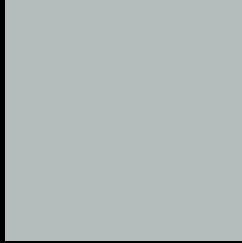
Large Text (above 18pt) WCAG AA × Fail

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 49.6863, 0.3069, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

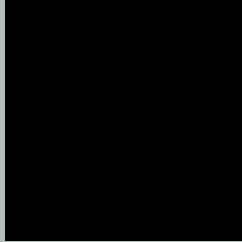
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

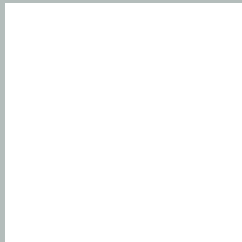
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6863, 0.3069, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 49.6863, 0.3069, 0.3316.



This preview shows how white text looks on a background with the Yxy color 49.6863, 0.3069, 0.3316.

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

49.6863, 0.3069, 0.3316

Protanopia

49.5677, 0.3168, 0.3303

Deuteranopia

49.5592, 0.3261, 0.3193



Tritanopia

49.7500, 0.2975, 0.3101

Trichromacy



Original Color

49.6863, 0.3069, 0.3316

Protanomaly

49.5249, 0.3127, 0.3303

Deuteranomaly

49.5139, 0.3189, 0.3240

Tritanomaly

49.8214, 0.3003, 0.3175

Monochromacy



Original Color

49.6863, 0.3069, 0.3316

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.2762, 0.3110, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6863, 0.3069, 0.3316 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 187) }
```

Border

The CSS property to change the border of an element to Yxy 49.6863, 0.3069, 0.3316 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, 187) }
```

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

```
.border{ border-color:rgb(180, 189, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 187);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6863, 0.3069, 0.3316 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, 187) }
```

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

```
.background{ background-color: rgb(180,  
189, 187) }
```

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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