

Converting Colors

$Yxy(49.4158, 0.3060, 0.3275)$

Have a look what the booklet for
Yxy(49.4158, 0.3060, 0.3275)
contains.

Yxy(49.4643, 0.3062, 0.3277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.4643, 0.3062, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	B5BCBD
RGB	181, 188, 189
RGB Percent	71%, 74%, 74%
CMY	0.2903, 0.2627, 0.2588
CMYK	0.04, 0.01, 0.00, 0.26
HSL	187°, 6%, 73%
HSV	187°, 4%, 74%
XYZ	46.2190, 49.4643, 55.2605
YIQ	186.0210, -4.4930, -1.1730

Conversions

Conversions Part 2

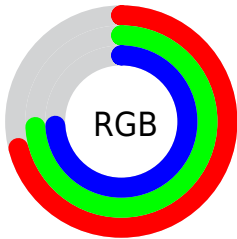
Format	Color
RYB	181, 185, 189
Decimal	11910333
CIELab	75.74, -2.24, -1.36
CIELCh	76, 2.623, 211.255
Yxy	49.4643, 0.3062, 0.3277
Android (android.graphics.Color)	4290100413 (0xFFB5BCBD)
YUV	186.0210, 1.4686, -4.4034
Hunter-Lab	70.3309, -5.7750, 2.6461

Details

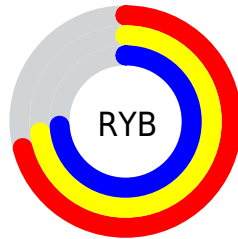
The Yxy color `49.4643, 0.3062, 0.3277` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `47.5949, 0.3195, 0.3303`, and the grayscale version is `49.1072, 0.3127, 0.3290`.

A 20% lighter version of the original color is `89.2985, 0.3076, 0.3280`, and `23.6947, 0.3040, 0.3272` is the 20% darker color. If you saturate the color by 10%, you get `46.3430, 0.2912, 0.3244`, and if you desaturate by 10%, it is `52.9160, 0.3216, 0.3307`.

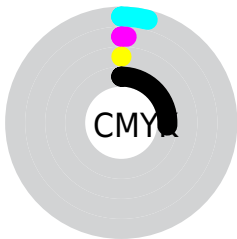
Distribution



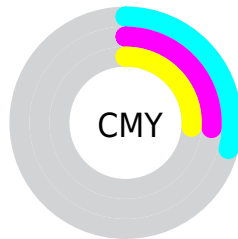
- Red (71%)
- Green (74%)
- Blue (74%)



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



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4643, 0.3062, 0.3277 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 49.4643, 0.3062, 0.3277 by changing the saturation by 10% instead.

 49.4643, 0.3062,
0.3277

 49.4643, 0.3062,
0.3277


384.5673, 0.3094,
0.3284

 34.9879, 0.3054,
0.3275


 89.3807, 0.3074,
0.3279

 23.6536, 0.3044,
0.3273

115.5894, 0.3078,
0.3280

 15.0768, 0.3030,
0.3270


146.4778, 0.3082,
0.3281

 8.8733, 0.3012,
0.3266

182.4301, 0.3085,
0.3282

 4.6587, 0.2984,
0.3260

223.8309, 0.3088,
0.3282

 2.0484, 0.2940,
0.3250

271.0644, 0.3090,

 0.6354, 0.2785,

0.3283

0.3223

324.5151, 0.3092,
0.3283

0.0000, 0.0000,
0.0000

49.4643, 0.3062,
0.3277

49.4643, 0.3062,
0.3277

46.3430, 0.2912,
0.3244

52.9160, 0.3216,
0.3307

43.5332, 0.2768,
0.3209

56.7036, 0.3370,
0.3333

41.0239, 0.2633,
0.3171

60.8402, 0.3524,
0.3357

38.8006, 0.2510,
0.3131

65.0378, 0.3661,
0.3379

36.8479, 0.2403,
0.3090

66.1116, 0.3655,
0.3403

■ 35.1486, 0.2312,
0.3047

■ 67.2021, 0.3649,
0.3427

■ 33.6837, 0.2240,
0.3004

■ 68.3092, 0.3643,
0.3451

■ 32.4310, 0.2187,
0.2961

■ 69.4330, 0.3637,
0.3475

■ 31.3638, 0.2152,
0.2918

■ 70.5736, 0.3631,
0.3498

Harmonies

Analogous

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



49.4643, 0.3083, 0.3309



49.4643, 0.3062, 0.3277



49.4643, 0.3058, 0.3248

Triad

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



49.4643, 0.3062, 0.3277



49.4643, 0.3138, 0.3244



49.4643, 0.3182, 0.3349

Complementary

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



49.4643, 0.3062, 0.3277



47.5949, 0.3195, 0.3303

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.



49.4643, 0.3197, 0.3332



49.4643, 0.3062, 0.3277



49.4643, 0.3171, 0.3271

Square

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



49.4643, 0.3062, 0.3277



49.4643, 0.3102, 0.3230



49.4643, 0.3193, 0.3303



49.4643, 0.3153, 0.3351

Rectangle

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



49.4643, 0.3062, 0.3277



49.4643, 0.3066, 0.3235



49.4643, 0.3193, 0.3303



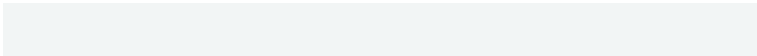
49.4643, 0.3189, 0.3345

Sweetspot

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



49.4664, 0.3062, 0.3277



90.5208, 0.3112, 0.3287



49.5924, 0.3115, 0.3382



19.4729, 0.3112, 0.3287



95.5105, 0.3127, 0.3290



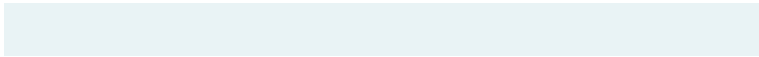
19.5994, 0.3127, 0.3290

Same Dimension

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



49.4664, 0.3062, 0.3277



88.1016, 0.3049, 0.3274



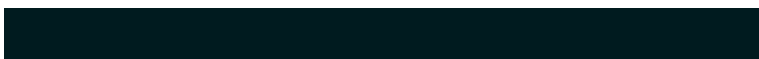
47.7954, 0.3063, 0.3226



10.8661, 0.3041, 0.3273



20.7995, 0.2139, 0.2899



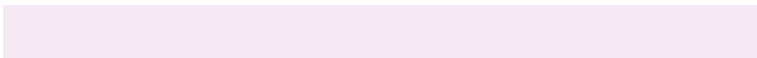
0.8721, 0.2167, 0.3001

Inverse Universe

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



47.4851, 0.3140, 0.3201



83.8938, 0.3142, 0.3183



49.2415, 0.3192, 0.3353



10.2932, 0.3144, 0.3172



9.1294, 0.3544, 0.1726



0.3634, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 49.4643, 0.3062, 0.3277 looks on a white background.

Color Contrast Check

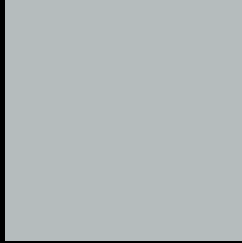
Large Text (above 18pt) WCAG AA × Fail

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 49.4643, 0.3062, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

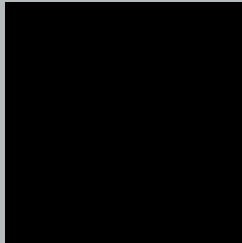
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4643, 0.3062, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 49.4643, 0.3062, 0.3277.

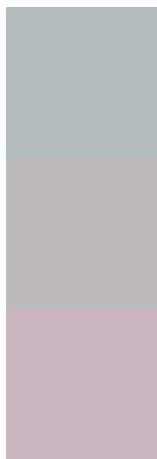


This preview shows how white text looks on a background with the Yxy color 49.4643, 0.3062, 0.3277.

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

49.4643, 0.3062, 0.3277

Protanopia

49.5675, 0.3137, 0.3265

Deuteranopia

49.4620, 0.3244, 0.3181



Tritanopia

49.4021, 0.2990, 0.3101

Trichromacy



Original Color

49.4643, 0.3062, 0.3277

Protanomaly

49.6106, 0.3111, 0.3277

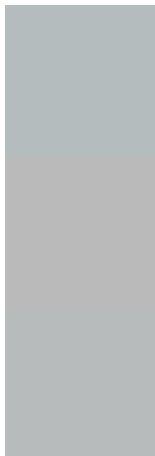
Deuteranomaly

49.6008, 0.3173, 0.3216

Tritanomaly

49.5169, 0.3011, 0.3163

Monochromacy



Original Color

49.4643, 0.3062, 0.3277

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 49.4643, 0.3062, 0.3277 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(181, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(181, 188, 189)  
}
```

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(181, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 188, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.4643, 0.3062, 0.3277 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(181, 188, 189) }
```

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

```
.border{ border-color:rgb(181, 188, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 188, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 188, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 188, 189); box-shadow:4px 4px 4px 4px rgb(181, 188, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4643, 0.3062, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 188, 189) }
```

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

```
.background{ background-color: rgb(181,  
188, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor