

Converting Colors

$Y_{xy}(49.7053, 0.3017, 0.3218)$

Have a look what the booklet for
Yxy(49.7053, 0.3017, 0.3218)
contains.

Yxy(49.5648, 0.3017, 0.3213)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.5648, 0.3017, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	B4BCC2
RGB	180, 188, 194
RGB Percent	71%, 74%, 76%
CMY	0.2942, 0.2627, 0.2392
CMYK	0.07, 0.03, 0.00, 0.24
HSL	206°, 10%, 73%
HSV	206°, 7%, 76%
XYZ	46.5412, 49.5648, 58.1573
YIQ	186.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

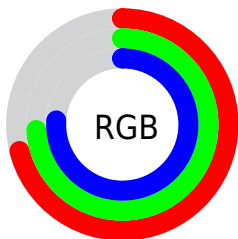
Format	Color
R _Y B	180, 185, 194
Decimal	11844802
CIE Lab	75.80, -1.60, -3.99
CIE LCh	76, 4.302, 248.189
Yxy	49.5648, 0.3017, 0.3213
Android (android.graphics.Color)	4290034882 (0xFFB4BCC2)
YUV	186.2920, 3.8000, -5.5181
Hunter-Lab	70.4023, -5.2019, 0.3038

Details

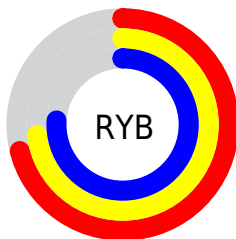
The Yxy color **49.5648, 0.3017, 0.3213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.8775, 0.3242, 0.3366**, and the grayscale version is **49.2563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4364, 0.3041, 0.3230**, and **23.7334, 0.2989, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **43.9532, 0.2861, 0.3096**, and if you desaturate by 10%, it is **55.7106, 0.3169, 0.3318**.

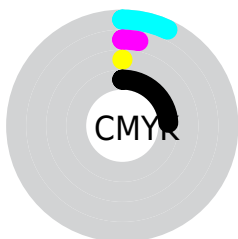
Distribution



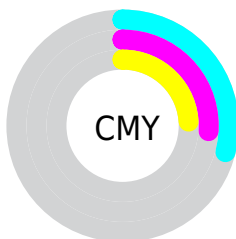
- Red (71%)
- Green (74%)
- Blue (76%)



- Red (71%)
- Yellow (73%)
- Blue (76%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (29%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5648, 0.3017, 0.3213 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 49.5648, 0.3017, 0.3213 by changing the saturation by 10% instead.

■ 49.5648, 0.3017,
0.3213

■ 49.5648, 0.3017,
0.3213

384.9616, 0.3071,
0.3251

■ 35.0677, 0.3004,
0.3204

■ 89.5297, 0.3037,
0.3227

■ 23.7150, 0.2987,
0.3191

115.7664, 0.3044,
0.3232

■ 15.1224, 0.2964,
0.3175

146.6850, 0.3050,
0.3237

■ 8.9053, 0.2933,
0.3153

182.6700, 0.3056,
0.3240

■ 4.6795, 0.2887,
0.3120

224.1058, 0.3060,
0.3244

■ 2.0605, 0.2813,
0.3065

271.3767, 0.3065,

■ 0.6422, 0.2606,

0.3247

0.2930

324.8672, 0.3068,
0.3249

■ 0.0000, 0.0000,
0.0000

■ 49.5648, 0.3017,
0.3213

■ 49.5648, 0.3017,
0.3213

■ 43.9532, 0.2861,
0.3096

■ 55.7106, 0.3169,
0.3318

■ 38.8527, 0.2703,
0.2968

■ 62.4002, 0.3314,
0.3411

■ 34.2474, 0.2547,
0.2827

■ 69.6511, 0.3453,
0.3494

■ 30.1182, 0.2395,
0.2677

■ 76.9833, 0.3564,
0.3569

■ 26.4446, 0.2253,
0.2518

■ 81.4822, 0.3545,
0.3650

■ 23.2040, 0.2125,
0.2354

■ 86.2011, 0.3527,
0.3730

■ 20.3712, 0.2014,
0.2188

■ 91.1429, 0.3509,
0.3808

■ 17.9176, 0.1924,
0.2023

■ 96.3105, 0.3491,
0.3884

■ 15.8044, 0.1856,
0.1863

■ 96.6754, 0.3490,
0.3890

Harmonies

Analogous

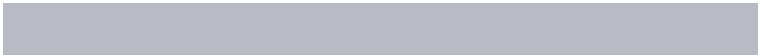
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.5648, 0.3016, 0.3256



49.5648, 0.3017, 0.3213



49.5648, 0.3047, 0.3191

Triad

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



49.5648, 0.3017, 0.3213



49.5648, 0.3210, 0.3270



49.5648, 0.3155, 0.3388

Complementary

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



49.5648, 0.3017, 0.3213



49.8775, 0.3242, 0.3366

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.



49.5648, 0.3208, 0.3391



49.5648, 0.3017, 0.3213



49.5648, 0.3239, 0.3322

Square

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



49.5648, 0.3017, 0.3213



49.5648, 0.3158, 0.3224



49.5648, 0.3239, 0.3366



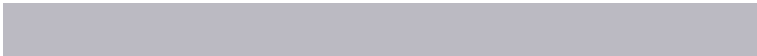
49.5648, 0.3096, 0.3358

Rectangle

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



49.5648, 0.3017, 0.3213



49.5648, 0.3080, 0.3191



49.5648, 0.3239, 0.3366



49.5648, 0.3174, 0.3392

Sweetspot

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



49.5669, 0.3017, 0.3213



95.4552, 0.3096, 0.3269



51.8270, 0.3076, 0.3395



20.9281, 0.3098, 0.3270



0.0000, 0.0000, 0.0000



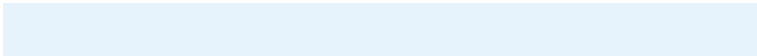
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5669, 0.3017, 0.3213



87.7730, 0.2987, 0.3192



46.7078, 0.3018, 0.3124



10.6830, 0.2984, 0.3189



10.1981, 0.1845, 0.1841



0.5752, 0.1944, 0.2197

Inverse Universe

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



47.7386, 0.3183, 0.3190



83.6773, 0.3200, 0.3162



52.8345, 0.3234, 0.3451



10.1723, 0.3202, 0.3159



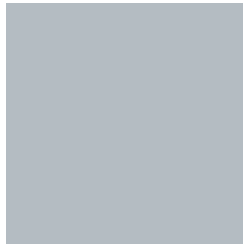
8.3117, 0.4637, 0.2328



0.3727, 0.4236, 0.2107

Previews

White Background



This preview shows how the Yxy color 49.5648, 0.3017, 0.3213 looks on a white background.

Color Contrast Check

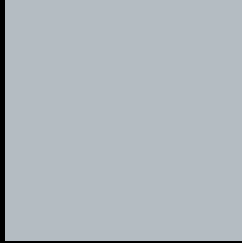
Large Text (above 18pt) WCAG AA × Fail

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 49.5648, 0.3017, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

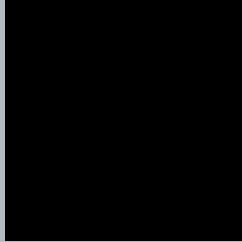
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

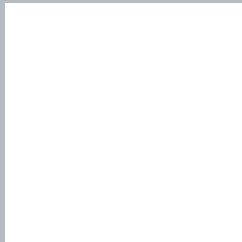
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5648, 0.3017, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 49.5648, 0.3017, 0.3213.



This preview shows how white text looks on a background with the Yxy color 49.5648, 0.3017, 0.3213.

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

49.5648, 0.3017, 0.3213

Protanopia

49.6594, 0.3090, 0.3202

Deuteranopia

49.4054, 0.3186, 0.3120



Tritanopia

49.6287, 0.2967, 0.3100

Trichromacy



Original Color

49.5648, 0.3017, 0.3213

Protanomaly

49.7052, 0.3065, 0.3214

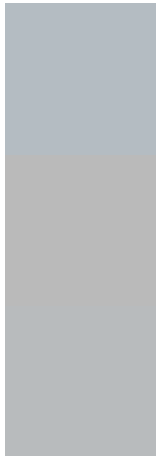
Deuteranomaly

49.5586, 0.3117, 0.3153

Tritanomaly

49.4879, 0.2988, 0.3138

Monochromacy



Original Color

49.5648, 0.3017, 0.3213

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4051, 0.3087, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5648, 0.3017, 0.3213 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, 188, 194)` looks like.

```
.text, #text, p{  
    color:rgb(180, 188, 194)  
}
```

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, 188, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 188, 194) }
```

Border

The CSS property to change the border of an element to Yxy 49.5648, 0.3017, 0.3213 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, 188, 194) }
```

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

```
.border{ border-color:rgb(180, 188, 194) }
```

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

Here you see how a box with a 4 pixel rgb(180, 188, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 188, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 188, 194);  
box-shadow:4px 4px 4px 4px rgb(180, 188,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5648, 0.3017, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 188, 194) }
```

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

```
.background{ background-color: rgb(180,  
188, 194) }
```

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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