

Converting Colors

$Y_{xy}(49.7690, 0.3154, 0.3376)$

Have a look what the booklet for
Yxy(49.7690, 0.3154, 0.3376)
contains.

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Color

Yxy(49.6581, 0.3148, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	B9BCB6
RGB	185, 188, 182
RGB Percent	73%, 74%, 71%
CMY	0.2747, 0.2627, 0.2862
CMYK	0.02, 0.00, 0.03, 0.26
HSL	90°, 4%, 73%
HSV	90°, 3%, 74%
XYZ	46.4282, 49.6581, 51.3984
YIQ	186.4190, 0.1380, -2.5020

Conversions

Conversions Part 2

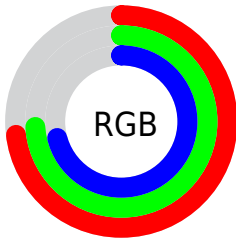
Format	Color
R_{YB}	182, 188, 185
Decimal	12172470
CIE Lab	75.86, -2.17, 2.65
CIE LCh	76, 3.424, 129.240
Yxy	49.6581, 0.3148, 0.3367
Android (android.graphics.Color)	4290362550 (0xFFB9BCB6)
YUV	186.4190, -2.1786, -1.2445
Hunter-Lab	70.4685, -5.7151, 6.0829

Details

The Yxy color $49.6581, 0.3148, 0.3367$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $47.4132, 0.3106, 0.3213$, and the grayscale version is $49.3610, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.5752, 0.3144, 0.3350$, and $23.8185, 0.3156, 0.3395$ is the 20% darker color. If you saturate the color by 10%, you get $47.7859, 0.3213, 0.3623$, and if you desaturate by 10%, it is $51.7188, 0.3083, 0.3134$.

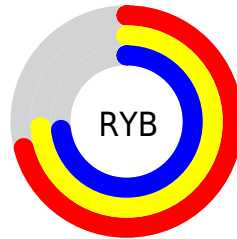
Distribution



Red (73%)

Green (74%)

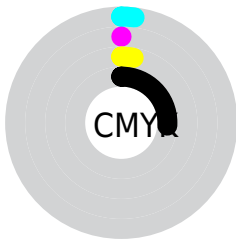
Blue (71%)



Red (71%)

Yellow (74%)

Blue (73%)

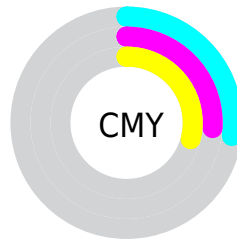


Cyan (2%)

Magenta (0%)

Yellow (3%)

Black (26%)



Cyan (27%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6581, 0.3148, 0.3367 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 49.6581, 0.3148, 0.3367 by changing the saturation by 10% instead.

■ 49.6581, 0.3148,
0.3367

■ 49.6581, 0.3148,
0.3367

385.3274, 0.3138,
0.3329

■ 35.1418, 0.3150,
0.3376

■ 89.6681, 0.3144,
0.3353

■ 23.7721, 0.3154,
0.3389

115.9306, 0.3143,
0.3348

■ 15.1647, 0.3158,
0.3405

146.8773, 0.3142,
0.3344

■ 8.9350, 0.3164,
0.3427

182.8926, 0.3141,
0.3340

■ 4.6988, 0.3172,
0.3460

224.3608, 0.3140,
0.3337

■ 2.0717, 0.3185,
0.3515

271.6664, 0.3139,

■ 0.6486, 0.3252,

0.3334

0.3743

325.1938, 0.3138,
0.3331

0.0000, 0.0000,
0.0000

49.6581, 0.3148,
0.3367

49.6581, 0.3148,
0.3367

47.7859, 0.3213,
0.3623

51.7188, 0.3083,
0.3134

46.0902, 0.3277,
0.3898

53.9670, 0.3020,
0.2923

44.5669, 0.3336,
0.4189

56.4100, 0.2961,
0.2733

43.2098, 0.3387,
0.4487

58.9092, 0.2919,
0.2585

42.0121, 0.3425,
0.4781

60.4715, 0.2990,
0.2599

■ 40.9662, 0.3447,
0.5059

■ 62.1208, 0.3062,
0.2614

■ 40.0640, 0.3449,
0.5304

■ 63.8585, 0.3134,
0.2629

■ 39.2964, 0.3429,
0.5502

■ 64.4527, 0.3158,
0.2634

■ 38.6526, 0.3389,
0.5646

Harmonies

Analogous

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



49.6581, 0.3190, 0.3370



49.6581, 0.3148, 0.3367



49.6581, 0.3101, 0.3343

Triad

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



49.6581, 0.3148, 0.3367



49.6581, 0.3040, 0.3228



49.6581, 0.3194, 0.3276

Complementary

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



49.6581, 0.3148, 0.3367



47.4132, 0.3106, 0.3213

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.



49.6581, 0.3153, 0.3239



49.6581, 0.3148, 0.3367



49.6581, 0.3065, 0.3211

Square

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



49.6581, 0.3148, 0.3367



49.6581, 0.3039, 0.3262



49.6581, 0.3106, 0.3215



49.6581, 0.3217, 0.3317

Rectangle

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



49.6581, 0.3148, 0.3367



49.6581, 0.3072, 0.3318



49.6581, 0.3106, 0.3215



49.6581, 0.3182, 0.3263

Sweetspot

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



49.6602, 0.3148, 0.3367



90.7696, 0.3134, 0.3314



48.7741, 0.3176, 0.3328



19.5237, 0.3133, 0.3313



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.



49.6602, 0.3148, 0.3367



89.6770, 0.3154, 0.3388



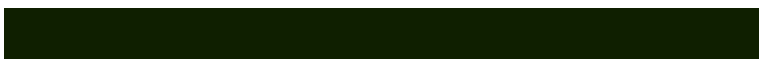
49.2968, 0.3124, 0.3368



11.0726, 0.3158, 0.3404



26.0975, 0.3363, 0.5712



1.0612, 0.3551, 0.5563

Inverse Universe

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



47.4132, 0.3106, 0.3213



84.5240, 0.3100, 0.3192



47.7846, 0.3131, 0.3214



10.3418, 0.3095, 0.3177



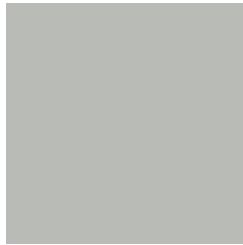
4.1923, 0.2051, 0.0903



0.2031, 0.2315, 0.1049

Previews

White Background



This preview shows how the Yxy color 49.6581, 0.3148, 0.3367 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 49.6581, 0.3148, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

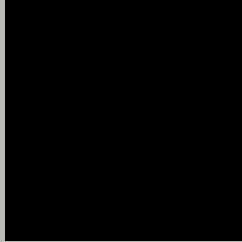
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

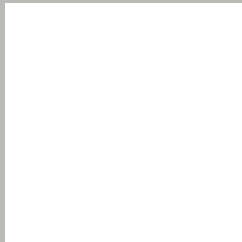
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6581, 0.3148, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 49.6581, 0.3148, 0.3367.



This preview shows how white text looks on a background with the Yxy color 49.6581, 0.3148, 0.3367.

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

49.6581, 0.3148, 0.3367

Protanopia

49.6605, 0.3217, 0.3353

Deuteranopia

49.5885, 0.3328, 0.3266



Tritanopia

49.5594, 0.3037, 0.3103

Trichromacy



Original Color

49.6581, 0.3148, 0.3367

Protanomaly

49.6957, 0.3190, 0.3366

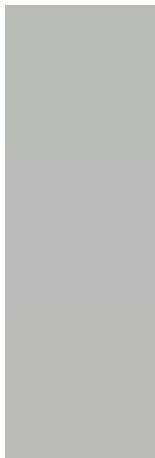
Deuteranomaly

49.7056, 0.3254, 0.3303

Tritanomaly

49.5329, 0.3082, 0.3202

Monochromacy



Original Color

49.6581, 0.3148, 0.3367

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.4825, 0.3134, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6581, 0.3148, 0.3367 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(185, 188, 182)` looks like.

```
.text, #text, p{  
    color:rgb(185, 188, 182)  
}
```

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(185, 188, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 188, 182) }
```

Border

The CSS property to change the border of an element to Yxy 49.6581, 0.3148, 0.3367 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(185, 188, 182) }
```

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

```
.border{ border-color:rgb(185, 188, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 188, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 188, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 188, 182);  
box-shadow:4px 4px 4px 4px rgb(185, 188,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6581, 0.3148, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 188, 182) }
```

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

```
.background{ background-color: rgb(185,  
188, 182) }
```

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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