

Converting Colors

$Y_{xy}(49.4284, 0.3169, 0.3358)$

Have a look what the booklet for
Yxy(49.4284, 0.3169, 0.3358)
contains.

Yxy(49.4828, 0.3166, 0.3354)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4828, 0.3166, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	BBBBB6
RGB	187, 187, 182
RGB Percent	73%, 73%, 71%
CMY	0.2666, 0.2667, 0.2863
CMYK	0.00, 0.00, 0.03, 0.27
HSL	60°, 4%, 72%
HSV	60°, 3%, 73%
XYZ	46.7092, 49.4828, 51.3417
YIQ	186.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

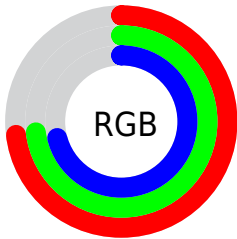
Format	Color
R _Y B	182, 187, 182
Decimal	12303286
CIE Lab	75.75, -0.91, 2.52
CIE LCh	76, 2.681, 109.770
Yxy	49.4828, 0.3166, 0.3354
Android (android.graphics.Color)	4290493366 (0xFFBBBBB6)
YUV	186.4300, -2.1840, 0.4999
Hunter-Lab	70.3440, -4.5761, 5.9670

Details

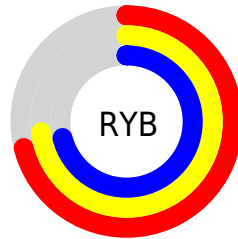
The Yxy color **49.4828, 0.3166, 0.3354** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9921, 0.3088, 0.3225**, and the grayscale version is **49.3702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3289, 0.3157, 0.3340**, and **23.7035, 0.3180, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **48.7419, 0.3314, 0.3598**, and if you desaturate by 10%, it is **50.3312, 0.3024, 0.3120**.

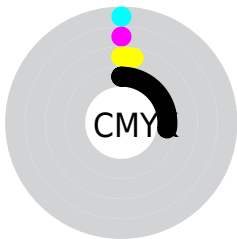
Distribution



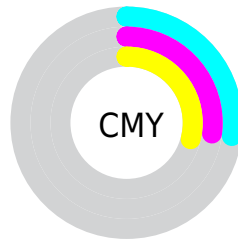
- Red (73%)
- Green (73%)
- Blue (71%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4828, 0.3166, 0.3354 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 49.4828, 0.3166, 0.3354 by changing the saturation by 10% instead.

■ 49.4828, 0.3166,
0.3354

■ 49.4828, 0.3166,
0.3354

384.6399, 0.3147,
0.3322

■ 35.0026, 0.3171,
0.3362

■ 89.4081, 0.3159,
0.3343

■ 23.6649, 0.3177,
0.3372

115.6220, 0.3156,
0.3338

■ 15.0852, 0.3185,
0.3385

146.5159, 0.3154,
0.3335

■ 8.8792, 0.3196,
0.3404

182.4743, 0.3152,
0.3331

■ 4.6625, 0.3212,
0.3431

223.8815, 0.3151,
0.3329

■ 2.0506, 0.3239,
0.3476

271.1219, 0.3149,

■ 0.6366, 0.3357,

0.3326

0.3666

324.5799, 0.3148,
0.3324

0.0000, 0.0000,
0.0000

49.4828, 0.3166,
0.3354

49.4828, 0.3166,
0.3354

48.7419, 0.3314,
0.3598

50.3312, 0.3024,
0.3120

48.0981, 0.3465,
0.3846

51.2846, 0.2890,
0.2899

47.5492, 0.3614,
0.4092

52.3488, 0.2766,
0.2694

47.0905, 0.3756,
0.4325

53.4107, 0.2662,
0.2523

46.7169, 0.3885,
0.4537

53.4314, 0.2662,
0.2523

■ 46.4231, 0.3995,
0.4719

■ 53.4522, 0.2662,
0.2524

■ 46.2027, 0.4083,
0.4863

■ 53.4729, 0.2662,
0.2524

■ 46.0486, 0.4145,
0.4965

■ 53.4937, 0.2662,
0.2525

■ 45.9524, 0.4182,
0.5024

■ 53.5145, 0.2662,
0.2526

Harmonies

Analogous

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



49.4828, 0.3191, 0.3345



49.4828, 0.3166, 0.3354



49.4828, 0.3131, 0.3345

Triad

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



49.4828, 0.3166, 0.3354



49.4828, 0.3056, 0.3258



49.4828, 0.3160, 0.3259

Complementary

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



49.4828, 0.3166, 0.3354



46.9921, 0.3088, 0.3225

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.



49.4828, 0.3124, 0.3236



49.4828, 0.3166, 0.3354



49.4828, 0.3064, 0.3235

Square

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



49.4828, 0.3166, 0.3354



49.4828, 0.3067, 0.3289



49.4828, 0.3088, 0.3227



49.4828, 0.3188, 0.3291

Rectangle

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



49.4828, 0.3166, 0.3354



49.4828, 0.3106, 0.3331



49.4828, 0.3088, 0.3227



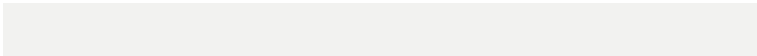
49.4828, 0.3148, 0.3250

Sweetspot

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



49.4849, 0.3166, 0.3354



88.8520, 0.3142, 0.3314



47.4010, 0.3169, 0.3289



19.5684, 0.3141, 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.



49.4849, 0.3166, 0.3354



88.5605, 0.3171, 0.3363



49.1870, 0.3146, 0.3355



11.2123, 0.3181, 0.3380



31.6264, 0.4198, 0.5049



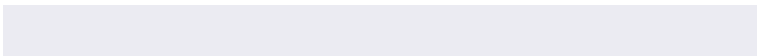
1.2402, 0.4197, 0.5050

Inverse Universe

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



46.9921, 0.3088, 0.3225



83.5025, 0.3082, 0.3216



47.2847, 0.3108, 0.3225



10.4287, 0.3072, 0.3199



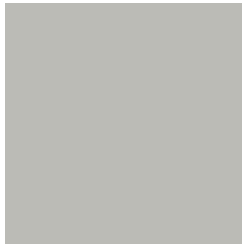
2.4810, 0.1501, 0.0602



0.0986, 0.1503, 0.0610

Previews

White Background



This preview shows how the Yxy color 49.4828, 0.3166, 0.3354 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 49.4828, 0.3166, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

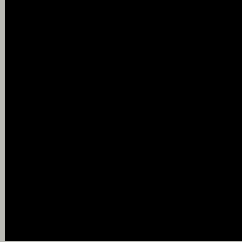
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

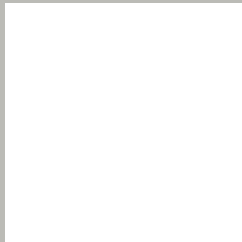
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4828, 0.3166, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 49.4828, 0.3166, 0.3354.



This preview shows how white text looks on a background with the Yxy color 49.4828, 0.3166, 0.3354.

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

49.4828, 0.3166, 0.3354

Protanopia

49.5304, 0.3208, 0.3354

Deuteranopia

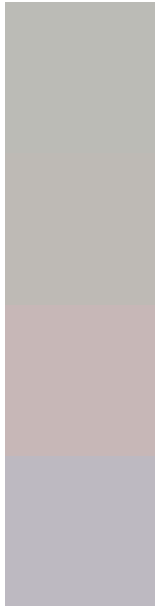
49.1832, 0.3329, 0.3254



Tritanopia

49.3517, 0.3061, 0.3103

Trichromacy



Original Color

49.4828, 0.3166, 0.3354

Protanomaly

49.4012, 0.3200, 0.3354

Deuteranomaly

49.4280, 0.3264, 0.3290

Tritanomaly

49.3670, 0.3099, 0.3189

Monochromacy



Original Color

49.4828, 0.3166, 0.3354

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.0597, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4828, 0.3166, 0.3354 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(187, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(187, 187, 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(187, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 187, 182) }
```

Border

The CSS property to change the border of an element to Yxy 49.4828, 0.3166, 0.3354 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(187, 187, 182) }
```

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

```
.border{ border-color:rgb(187, 187, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 187, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 187, 182);  
box-shadow:4px 4px 4px 4px rgb(187, 187,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4828, 0.3166, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 187, 182) }
```

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

```
.background{ background-color: rgb(187,  
187, 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](#).

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