

Converting Colors

$Y_{xy}(49.9543, 0.3065, 0.3161)$

Have a look what the booklet for
Yxy(49.9543, 0.3065, 0.3161)
contains.

Yxy(49.8404, 0.3060, 0.3152)	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(49.8404, 0.3060, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	BCBAC5
RGB	188, 186, 197
RGB Percent	74%, 73%, 77%
CMY	0.2625, 0.2706, 0.2274
CMYK	0.05, 0.06, 0.00, 0.23
HSL	251°, 9%, 75%
HSV	251°, 6%, 77%
XYZ	48.3857, 49.8404, 59.8970
YIQ	187.8520, -2.3390, 3.8450

Conversions

Conversions Part 2

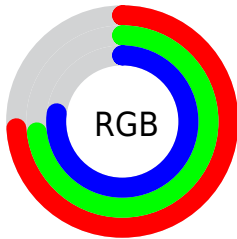
Format	Color
R _Y B	188, 186, 197
Decimal	12368581
CIE Lab	75.97, 2.81, -5.30
CIE LCh	76, 6.001, 297.901
Yxy	49.8404, 0.3060, 0.3152
Android (android.graphics.Color)	4290558661 (0xFFBCBAC5)
YUV	187.8520, 4.5100, 0.1298
Hunter-Lab	70.5977, -1.2072, -0.8848

Details

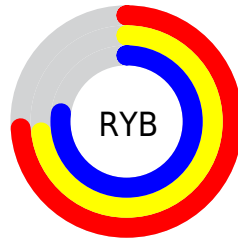
The Yxy color `49.8404, 0.3060, 0.3152` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `55.0754, 0.3192, 0.3426`, and the grayscale version is `50.1809, 0.3127, 0.3290`.

A 20% lighter version of the original color is `89.8931, 0.3068, 0.3172`, and `23.9091, 0.3046, 0.3121` is the 20% darker color. If you saturate the color by 10%, you get `40.1838, 0.2926, 0.2882`, and if you desaturate by 10%, it is `60.8713, 0.3176, 0.3392`.

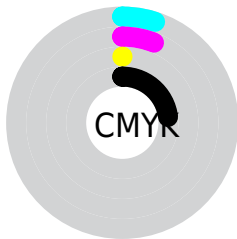
Distribution



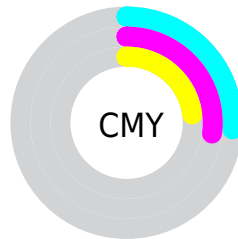
- Red (74%)
- Green (73%)
- Blue (77%)



- Red (74%)
- Yellow (73%)
- Blue (77%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8404, 0.3060, 0.3152 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 49.8404, 0.3060, 0.3152 by changing the saturation by 10% instead.

■ 49.8404, 0.3060,
0.3152

■ 49.8404, 0.3060,
0.3152

386.0415, 0.3093,
0.3220

■ 35.2866, 0.3052,
0.3135

■ 89.9384, 0.3072,
0.3176

■ 23.8837, 0.3041,
0.3114

116.2513, 0.3077,
0.3186

■ 15.2474, 0.3027,
0.3087

147.2528, 0.3080,
0.3193

■ 8.9932, 0.3008,
0.3048

183.3271, 0.3084,
0.3200

■ 4.7367, 0.2979,
0.2993

224.8588, 0.3087,
0.3206

■ 2.0936, 0.2932,
0.2904

272.2321, 0.3089,

■ 0.6610, 0.2840,

0.3211

0.2694

325.8316, 0.3091,
0.3216

0.0000, 0.0000,
0.0000

49.8404, 0.3060,
0.3152

49.8404, 0.3060,
0.3152

40.1838, 0.2926,
0.2882

60.8713, 0.3176,
0.3392

31.8413, 0.2774,
0.2585

73.3210, 0.3276,
0.3604

24.7575, 0.2604,
0.2264

87.2399, 0.3361,
0.3790

18.8707, 0.2421,
0.1930

96.2664, 0.3452,
0.3864

14.1140, 0.2231,
0.1598

96.8116, 0.3472,
0.3860

■ 10.4136, 0.2044,
0.1287

■ 7.6871, 0.1873,
0.1020

■ 5.8393, 0.1729,
0.0817

■ 4.7540, 0.1622,
0.0688

Harmonies

Analogous

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



49.8404, 0.2997, 0.3159



49.8404, 0.3060, 0.3152



49.8404, 0.3142, 0.3181

Triad

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



49.8404, 0.3060, 0.3152



49.8404, 0.3288, 0.3377



49.8404, 0.3034, 0.3342

Complementary

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



49.8404, 0.3060, 0.3152



55.0754, 0.3192, 0.3426

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.



49.8404, 0.3111, 0.3403



49.8404, 0.3060, 0.3152



49.8404, 0.3258, 0.3422

Square

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



49.8404, 0.3060, 0.3152



49.8404, 0.3274, 0.3310



49.8404, 0.3193, 0.3432



49.8404, 0.2983, 0.3267

Rectangle

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



49.8404, 0.3060, 0.3152



49.8404, 0.3196, 0.3217



49.8404, 0.3193, 0.3432



49.8404, 0.3058, 0.3365

Sweetspot

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



49.8425, 0.3060, 0.3152



96.0113, 0.3103, 0.3241



53.4938, 0.3042, 0.3265



20.5922, 0.3105, 0.3243



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.



49.8425, 0.3060, 0.3152



86.4866, 0.3041, 0.3113



50.5503, 0.3105, 0.3154



10.8027, 0.3036, 0.3103



2.9359, 0.1594, 0.0652



0.1687, 0.1788, 0.0759

Inverse Universe

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



50.9221, 0.3149, 0.3180



88.9219, 0.3156, 0.3150



54.3607, 0.3148, 0.3427



11.1261, 0.3158, 0.3142



9.4915, 0.3742, 0.1835



0.4585, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 49.8404, 0.3060, 0.3152 looks on a white background.

Color Contrast Check

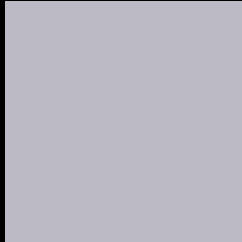
Large Text (above 18pt) WCAG AA × Fail

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 49.8404, 0.3060, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

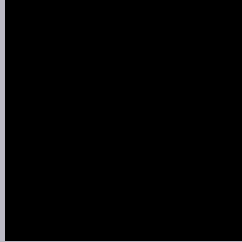
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

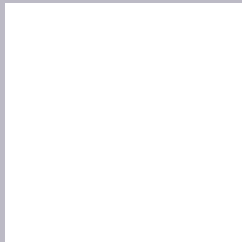
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8404, 0.3060, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 49.8404, 0.3060, 0.3152.

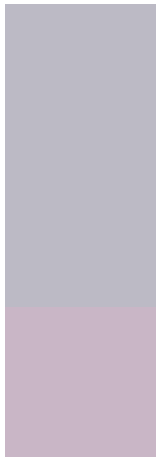


This preview shows how white text looks on a background with the Yxy color 49.8404, 0.3060, 0.3152.

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

49.8404, 0.3060, 0.3152

Protanopia

49.8404, 0.3060, 0.3152

Deuteranopia

49.9506, 0.3162, 0.3096



Tritanopia

49.6869, 0.3045, 0.3103

Trichromacy



Original Color

49.8404, 0.3060, 0.3152

Protanomaly

49.8404, 0.3060, 0.3152

Deuteranomaly

49.6800, 0.3119, 0.3106

Tritanomaly

49.6403, 0.3053, 0.3115

Monochromacy



Original Color

49.8404, 0.3060, 0.3152

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9936, 0.3105, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8404, 0.3060, 0.3152 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(188, 186, 197)` looks like.

```
.text, #text, p{  
    color:rgb(188, 186, 197)  
}
```

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(188, 186, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 186, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.8404, 0.3060, 0.3152 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(188, 186, 197) }
```

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

```
.border{ border-color:rgb(188, 186, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 186, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 186, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 186, 197);  
box-shadow:4px 4px 4px 4px rgb(188, 186,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8404, 0.3060, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 186, 197) }
```

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

```
.background{ background-color: rgb(188,  
186, 197) }
```

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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