

Converting Colors

Yxy(51.1412, 0.3135, 0.3122)

Have a look what the booklet for
Yxy(51.1412, 0.3135, 0.3122)
contains.

Yxy(50.9636, 0.3135, 0.3120)	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(50.9636, 0.3135, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	C7B9C7
RGB	199, 185, 199
RGB Percent	78%, 73%, 78%
CMY	0.2197, 0.2745, 0.2196
CMYK	0.00, 0.07, 0.00, 0.22
HSL	300°, 11%, 75%
HSV	300°, 7%, 78%
XYZ	51.2086, 50.9636, 61.1727
YIQ	190.7820, 3.8500, 7.3220

Conversions

Conversions Part 2

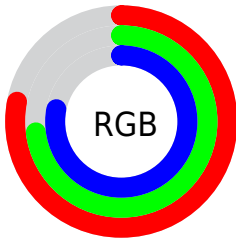
Format	Color
R _Y B	199, 185, 199
Decimal	13089223
CIE Lab	76.66, 7.47, -5.28
CIE LCh	77, 9.146, 324.765
Yxy	50.9636, 0.3135, 0.3120
Android (android.graphics.Color)	4291279303 (0xFFC7B9C7)
YUV	190.7820, 4.0515, 7.2072
Hunter-Lab	71.3888, 3.1112, -0.8331

Details

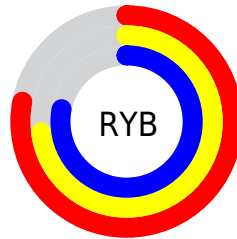
The Yxy color `50.9636, 0.3135, 0.3120` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `54.6694, 0.3119, 0.3466`, and the grayscale version is `51.9424, 0.3127, 0.3290`.

A 20% lighter version of the original color is `91.3906, 0.3133, 0.3156`, and `24.5666, 0.3137, 0.3078` is the 20% darker color. If you saturate the color by 10%, you get `43.2104, 0.3146, 0.2873`, and if you desaturate by 10%, it is `59.8866, 0.3124, 0.3360`.

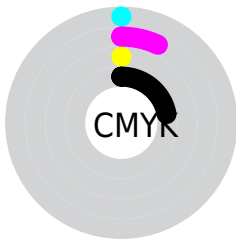
Distribution



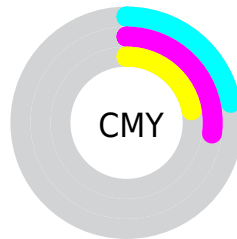
- Red (78%)
- Green (73%)
- Blue (78%)



- Red (78%)
- Yellow (73%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9636, 0.3135, 0.3120 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 50.9636, 0.3135, 0.3120 by changing the saturation by 10% instead.


 50.9636, 0.3135,
0.3120

 50.9636, 0.3135,
0.3120


390.4223, 0.3132,
0.3203

 36.1796, 0.3136,
0.3100


 91.6010, 0.3134,
0.3150

 24.5730, 0.3137,
0.3075


118.2232, 0.3133,
0.3161

 15.7592, 0.3137,
0.3042


149.5602, 0.3133,
0.3170

 9.3539, 0.3139,
0.2996

185.9965, 0.3133,
0.3179

 4.9727, 0.3140,
0.2931

227.9165, 0.3132,
0.3186

 2.2313, 0.3140,
0.2829

275.7046, 0.3132,

 0.7370, 0.3148,

0.3192

0.2626

329.7450, 0.3132,
0.3198

0.0000, 0.0000,
0.0000

50.9636, 0.3135,
0.3120

50.9636, 0.3135,
0.3120

43.2104, 0.3146,
0.2873

59.8866, 0.3124,
0.3360

36.5722, 0.3158,
0.2624

70.0181, 0.3113,
0.3589

30.9999, 0.3169,
0.2384

81.4033, 0.3103,
0.3802

26.4377, 0.3179,
0.2159

87.7969, 0.3099,
0.3906

22.8253, 0.3188,
0.1960

87.8001, 0.3099,
0.3906

■ 20.0957, 0.3195,
0.1796

■ 87.8033, 0.3099,
0.3906

■ 18.1730, 0.3201,
0.1672

■ 87.8065, 0.3099,
0.3906

■ 16.9689, 0.3204,
0.1591

■ 87.8097, 0.3099,
0.3906

■ 16.3637, 0.3206,
0.1549

■ 87.8128, 0.3099,
0.3906

Harmonies

Analogous

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



50.9636, 0.3013, 0.3081



50.9636, 0.3135, 0.3120



50.9636, 0.3256, 0.3202

Triad

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



50.9636, 0.3135, 0.3120



50.9636, 0.3333, 0.3485



50.9636, 0.2915, 0.3266

Complementary

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



50.9636, 0.3135, 0.3120



54.6694, 0.3119, 0.3466

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.



50.9636, 0.2998, 0.3380



50.9636, 0.3135, 0.3120



50.9636, 0.3239, 0.3507

Square

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



50.9636, 0.3135, 0.3120



50.9636, 0.3372, 0.3411



50.9636, 0.3116, 0.3469



50.9636, 0.2888, 0.3162

Rectangle

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



50.9636, 0.3135, 0.3120



50.9636, 0.3320, 0.3271



50.9636, 0.3116, 0.3469



50.9636, 0.2937, 0.3305

Sweetspot

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



50.9658, 0.3135, 0.3120



96.7880, 0.3129, 0.3241



49.2384, 0.3021, 0.3117



20.7502, 0.3129, 0.3244



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.



50.9658, 0.3135, 0.3120



87.6633, 0.3136, 0.3093



50.6607, 0.3188, 0.3202



10.8160, 0.3138, 0.3062



10.4390, 0.3206, 0.1540



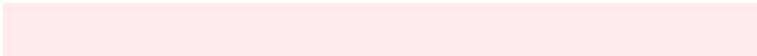
0.4945, 0.3207, 0.1540

Inverse Universe

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



50.3482, 0.3246, 0.3290



86.4243, 0.3265, 0.3290



54.9599, 0.3070, 0.3380



10.6371, 0.3289, 0.3290



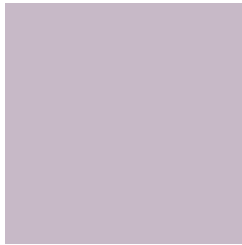
7.8081, 0.6399, 0.3299



0.3698, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 50.9636, 0.3135, 0.3120 looks on a white background.

Color Contrast Check

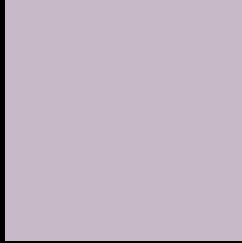
Large Text (above 18pt) WCAG AA × Fail

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 50.9636, 0.3135, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

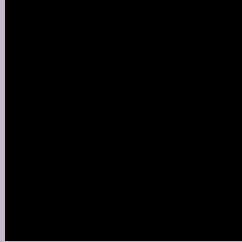
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9636, 0.3135, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 50.9636, 0.3135, 0.3120.

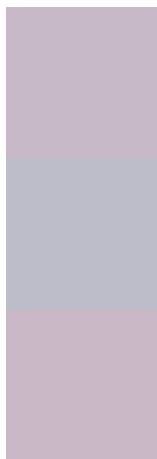


This preview shows how white text looks on a background with the Yxy color 50.9636, 0.3135, 0.3120.

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

50.9636, 0.3135, 0.3120

Protanopia

51.0023, 0.3037, 0.3129

Deuteranopia

51.1010, 0.3169, 0.3110



Tritanopia

50.9636, 0.3135, 0.3120

Trichromacy



Original Color

50.9636, 0.3135, 0.3120

Protanomaly

51.0482, 0.3077, 0.3130

Deuteranomaly

50.9611, 0.3161, 0.3109

Tritanomaly

50.9636, 0.3135, 0.3120

Monochromacy



Original Color

50.9636, 0.3135, 0.3120

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.7596, 0.3130, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9636, 0.3135, 0.3120 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(199, 185, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 185, 199)  
}
```

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(199, 185, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 185, 199) }
```

Border

The CSS property to change the border of an element to Yxy 50.9636, 0.3135, 0.3120 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(199, 185, 199) }
```

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

```
.border{ border-color:rgb(199, 185, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 185, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 185, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 185, 199); box-shadow:4px 4px 4px 4px rgb(199, 185, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9636, 0.3135, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 185, 199) }
```

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

```
.background{ background-color: rgb(199,  
185, 199) }
```

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