

Converting Colors

$Y_{xy}(50.7286, 0.3595, 0.3972)$

Have a look what the booklet for
Yxy(50.7286, 0.3595, 0.3972)
contains.

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Color

Yxy(50.8035, 0.3593, 0.3976)

Conversions

Conversions Part 1

Format	Color
Hex	C4BF89
RGB	196, 191, 137
RGB Percent	77%, 75%, 54%
CMY	0.2314, 0.2509, 0.4626
CMYK	0.00, 0.03, 0.30, 0.23
HSL	55°, 33%, 65%
HSV	55°, 30%, 77%
XYZ	45.9097, 50.8035, 31.0622
YIQ	186.3390, 20.3140, -15.7340

Conversions

Conversions Part 2

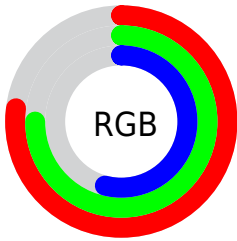
Format	Color
RYB	142, 196, 137
Decimal	12894089
CIELab	76.56, -6.66, 27.93
CIELCh	77, 28.709, 103.411
Yxy	50.8035, 0.3593, 0.3976
Android (android.graphics.Color)	4291084169 (0xFFC4BF89)
YUV	186.3390, -24.3241, 8.4727
Hunter-Lab	71.2766, -9.7610, 24.0551

Details

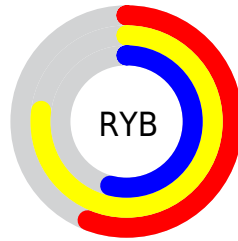
The Yxy color **50.8035, 0.3593, 0.3976** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.6525, 0.2610, 0.2496**, and the grayscale version is **49.4346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1658, 0.3512, 0.3849**, and **24.5278, 0.3699, 0.4163** is the 20% darker color. If you saturate the color by 10%, you get **49.5756, 0.3750, 0.4200**, and if you desaturate by 10%, it is **52.1463, 0.3434, 0.3745**.

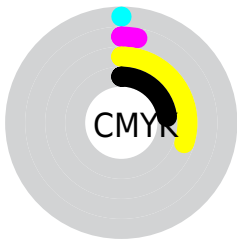
Distribution



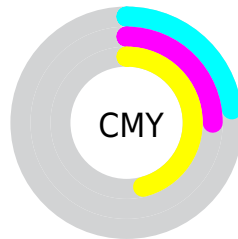
- Red (77%)
- Green (75%)
- Blue (54%)



- Red (56%)
- Yellow (77%)
- Blue (54%)



- Cyan (0%)
- Magenta (3%)
- Yellow (30%)
- Black (23%)




- Cyan (23%)
- Magenta (25%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8035, 0.3593, 0.3976 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 50.8035, 0.3593, 0.3976 by changing the saturation by 10% instead.

 50.8035, 0.3593,
0.3976

 50.8035, 0.3593,
0.3976


389.7999, 0.3369,
0.3636


 36.0522, 0.3646,
0.4059


 91.3642, 0.3514,
0.3853

 24.4746, 0.3711,
0.4164


 117.9425, 0.3483,
0.3807

 15.6860, 0.3793,
0.4301


 149.2320, 0.3457,
0.3768

 9.3022, 0.3898,
0.4485

185.6169, 0.3435,
0.3734

 4.9388, 0.4033,
0.4741

227.4818, 0.3415,
0.3704

 2.2114, 0.4462,
0.5431

275.2110, 0.3398,

 0.7262, 0.4208,

0.3679

0.5792

329.1889, 0.3382,
0.3656

0.0000, 0.0000,
0.0000

50.8035, 0.3593,
0.3976

50.8035, 0.3593,
0.3976

49.5756, 0.3750,
0.4200

52.1463, 0.3434,
0.3745

48.4502, 0.3900,
0.4407

53.6022, 0.3278,
0.3515

47.4235, 0.4036,
0.4589

55.1785, 0.3128,
0.3292

46.4887, 0.4153,
0.4736


56.8795, 0.2988,
0.3079

45.6381, 0.4244,
0.4841

58.7095, 0.2858,
0.2880


 44.8626, 0.4308,
0.4903

 60.6727, 0.2738,
0.2696

 44.1503, 0.4350,
0.4928

 61.4727, 0.2737,
0.2711

 62.2564, 0.2739,
0.2730

 63.0484, 0.2740,
0.2749

Harmonies

Analogous

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



50.8035, 0.3845, 0.3806



50.8035, 0.3593, 0.3976



50.8035, 0.3224, 0.3950

Triad

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



50.8035, 0.3593, 0.3976



50.8035, 0.2412, 0.2982



50.8035, 0.3388, 0.2919

Complementary

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



50.8035, 0.3593, 0.3976



28.6525, 0.2610, 0.2496

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.



50.8035, 0.2991, 0.2723



50.8035, 0.3593, 0.3976



50.8035, 0.2448, 0.2741

Square

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



50.8035, 0.3593, 0.3976



50.8035, 0.2552, 0.3338



50.8035, 0.2653, 0.2656



50.8035, 0.3729, 0.3203

Rectangle

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



50.8035, 0.3593, 0.3976



50.8035, 0.2966, 0.3810



50.8035, 0.2653, 0.2656



50.8035, 0.3256, 0.2841

Sweetspot

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



50.8058, 0.3593, 0.3976



97.3790, 0.3263, 0.3494



31.6133, 0.3726, 0.3213



20.7561, 0.3286, 0.3527



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.



50.8058, 0.3593, 0.3976



90.5857, 0.3696, 0.4122



50.0965, 0.3373, 0.4086



11.6081, 0.3267, 0.3499



28.4351, 0.4347, 0.4930



1.2722, 0.4309, 0.4960

Inverse Universe

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



28.6525, 0.2610, 0.2496



44.1348, 0.2481, 0.2293



29.4201, 0.2816, 0.2471



9.8816, 0.2983, 0.3072



2.8633, 0.1518, 0.0663



0.1714, 0.1578, 0.0881

Previews

White Background



This preview shows how the Yxy color 50.8035, 0.3593, 0.3976 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 50.8035, 0.3593, 0.3976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

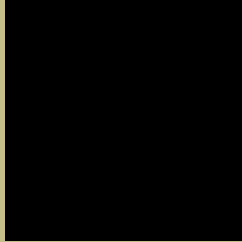
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

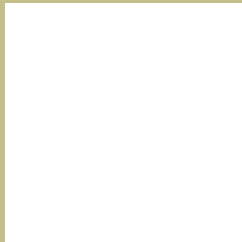
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8035, 0.3593, 0.3976

Background



This preview shows how black text looks on a background with the Yxy color 50.8035, 0.3593, 0.3976.



This preview shows how white text looks on a background with the Yxy color 50.8035, 0.3593, 0.3976.

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

50.8035, 0.3593, 0.3976

Protanopia

50.8693, 0.3671, 0.3951

Deuteranopia

50.5998, 0.3861, 0.3785



Tritanopia

50.6407, 0.3178, 0.3109

Trichromacy



Original Color

50.8035, 0.3593, 0.3976

Protanomaly

50.8838, 0.3641, 0.3969

Deuteranomaly

50.6790, 0.3761, 0.3860

Tritanomaly

50.5318, 0.3326, 0.3415

Monochromacy



Original Color

50.8035, 0.3593, 0.3976

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.7407, 0.3301, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8035, 0.3593, 0.3976 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(196, 191, 137)` looks like.

```
.text, #text, p{  
    color:rgb(196, 191, 137)  
}
```

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(196, 191, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 191, 137) }
```

Border

The CSS property to change the border of an element to Yxy 50.8035, 0.3593, 0.3976 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(196, 191, 137) }
```

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

```
.border{ border-color:rgb(196, 191, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 191, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 191, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 191, 137);  
box-shadow:4px 4px 4px 4px rgb(196, 191,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8035, 0.3593, 0.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 191, 137) }
```

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

```
.background{ background-color: rgb(196,  
191, 137) }
```

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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