

Converting Colors

$Y_{xy}(52.1980, 0.3513, 0.3767)$

Have a look what the booklet for
Yxy(52.1980, 0.3513, 0.3767)
contains.

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Color

Yxy(51.9790, 0.3511, 0.3765)

Conversions

Conversions Part 1

Format	Color
Hex	C9BF99
RGB	201, 191, 153
RGB Percent	79%, 75%, 60%
CMY	0.2117, 0.2510, 0.4001
CMYK	0.00, 0.05, 0.24, 0.21
HSL	47°, 31%, 69%
HSV	47°, 24%, 79%
XYZ	48.4723, 51.9790, 37.6071
YIQ	189.6580, 18.1580, -9.6980

Conversions

Conversions Part 2

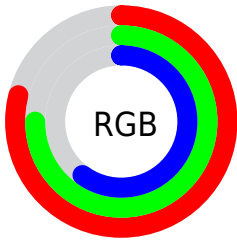
Format	Color
RYB	166, 201, 153
Decimal	13221785
CIELab	77.27, -2.54, 20.48
CIElCh	77, 20.640, 97.081
Yxy	51.9790, 0.3511, 0.3765
Android (android.graphics.Color)	4291411865 (0xFFC9BF99)
YUV	189.6580, -18.0724, 9.9469
Hunter-Lab	72.0965, -6.1586, 19.5405

Details

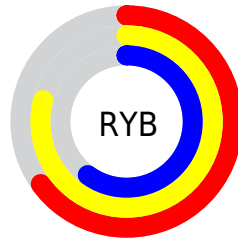
The Yxy color **51.9790, 0.3511, 0.3765** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.1883, 0.2735, 0.2765**, and the grayscale version is **51.3860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2865, 0.3425, 0.3686**, and **25.3393, 0.3614, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **49.5677, 0.3687, 0.3968**, and if you desaturate by 10%, it is **54.5594, 0.3343, 0.3562**.

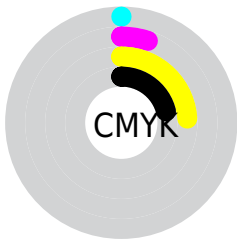
Distribution



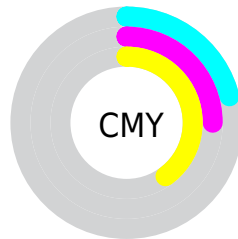
- Red (79%)
- Green (75%)
- Blue (60%)



- Red (65%)
- Yellow (79%)
- Blue (60%)



- Cyan (0%)
- Magenta (5%)
- Yellow (24%)
- Black (21%)





- Cyan (21%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9790, 0.3511, 0.3765 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 51.9790, 0.3511, 0.3765 by changing the saturation by 10% instead.


 51.9790, 0.3511,
0.3765


 51.9790, 0.3511,
0.3765


394.3555, 0.3324,
0.3531

 36.9883, 0.3556,
0.3822


 93.1003, 0.3444,
0.3681

 25.1985, 0.3612,
0.3894


 119.9997, 0.3419,
0.3649

 16.2250, 0.3685,
0.3988


151.6374, 0.3397,
0.3622

 9.6835, 0.3783,
0.4115

188.3979, 0.3379,
0.3599

 5.1896, 0.3918,
0.4296

230.6656, 0.3362,
0.3579

 2.3589, 0.4139,
0.4595

278.8248, 0.3348,

 0.8046, 0.4662,

0.3561

0.5338

333.2600, 0.3335,
0.3545

0.0000, 0.0000,
0.0000

51.9790, 0.3511,
0.3765

51.9790, 0.3511,
0.3765

49.5677, 0.3687,
0.3968

54.5594, 0.3343,
0.3562

47.3123, 0.3866,
0.4165

57.3074, 0.3185,
0.3365

45.2088, 0.4042,
0.4345

60.2308, 0.3040,
0.3177

43.2499, 0.4208,
0.4498

63.3345, 0.2907,
0.3001

41.4277, 0.4356,
0.4615

66.6234, 0.2787,
0.2837

■ 39.7331, 0.4479,
0.4688

■ 68.8454, 0.2781,
0.2869

■ 38.1550, 0.4573,
0.4714

■ 71.0259, 0.2785,
0.2916

■ 37.2377, 0.4620,
0.4713

■ 73.2617, 0.2788,
0.2962

■ 75.5534, 0.2791,
0.3008

Harmonies

Analogous

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



51.9790, 0.3661, 0.3630



51.9790, 0.3511, 0.3765



51.9790, 0.3261, 0.3770

Triad

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



51.9790, 0.3511, 0.3765



51.9790, 0.2620, 0.3125



51.9790, 0.3257, 0.2983

Complementary

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



51.9790, 0.3511, 0.3765



37.1883, 0.2735, 0.2765

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.



51.9790, 0.2976, 0.2857



51.9790, 0.3511, 0.3765



51.9790, 0.2618, 0.2927

Square

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



51.9790, 0.3511, 0.3765



51.9790, 0.2751, 0.3385



51.9790, 0.2745, 0.2834



51.9790, 0.3512, 0.3183

Rectangle

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



51.9790, 0.3511, 0.3765



51.9790, 0.3074, 0.3691



51.9790, 0.2745, 0.2834



51.9790, 0.3162, 0.2931

Sweetspot

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



51.9813, 0.3511, 0.3765



96.5484, 0.3234, 0.3427



37.8568, 0.3513, 0.3157



20.6031, 0.3244, 0.3439



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.



51.9813, 0.3511, 0.3765



86.6602, 0.3607, 0.3877



54.7032, 0.3371, 0.3903



12.0265, 0.3270, 0.3472



23.5418, 0.4613, 0.4719



1.2119, 0.4509, 0.4801

Inverse Universe

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



37.1883, 0.2735, 0.2765



56.7507, 0.2634, 0.2624



35.1668, 0.2840, 0.2644



10.6403, 0.2983, 0.3102



3.7997, 0.1562, 0.0824



0.2873, 0.1671, 0.1217

Previews

White Background



This preview shows how the Yxy color 51.9790, 0.3511, 0.3765 looks on a white background.

Color Contrast Check

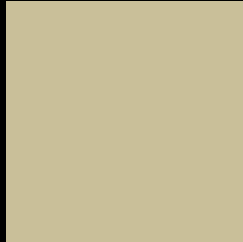
Large Text (above 18pt) WCAG AA × Fail

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 51.9790, 0.3511, 0.3765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

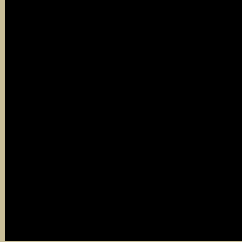
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9790, 0.3511, 0.3765

Background



This preview shows how black text looks on a background with the Yxy color 51.9790, 0.3511, 0.3765.



This preview shows how white text looks on a background with the Yxy color 51.9790, 0.3511, 0.3765.

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

51.9790, 0.3511, 0.3765

Protanopia

51.8233, 0.3531, 0.3750

Deuteranopia

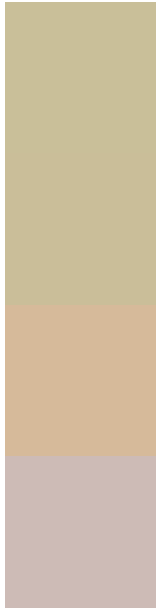
51.7631, 0.3706, 0.3621



Tritanopia

52.0868, 0.3202, 0.3124

Trichromacy



Original Color

51.9790, 0.3511, 0.3765

Protanomaly

51.6834, 0.3522, 0.3752

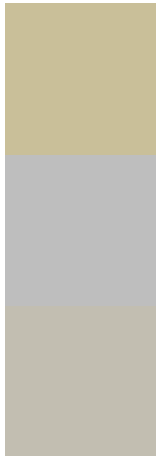
Deuteranomaly

51.7470, 0.3633, 0.3677

Tritanomaly

51.8972, 0.3319, 0.3351

Monochromacy



Original Color

51.9790, 0.3511, 0.3765

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.4706, 0.3261, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9790, 0.3511, 0.3765 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(201, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(201, 191, 153)  
}
```

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(201, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 191, 153) }
```

Border

The CSS property to change the border of an element to Yxy 51.9790, 0.3511, 0.3765 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(201, 191, 153) }
```

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

```
.border{ border-color:rgb(201, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 191, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 191, 153); box-shadow:4px 4px 4px 4px rgb(201, 191, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9790, 0.3511, 0.3765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 191, 153) }
```

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

```
.background{ background-color: rgb(201,  
191, 153) }
```

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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