

Converting Colors

$Yxy(51.0700, 0.3219, 0.3592)$

Have a look what the booklet for
Yxy(51.0700, 0.3219, 0.3592)
contains.

Yxy(51.1095, 0.3219, 0.3588)	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(51.1095, 0.3219, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	B7C1AA
RGB	183, 193, 170
RGB Percent	72%, 76%, 67%
CMY	0.2824, 0.2431, 0.3333
CMYK	0.05, 0.00, 0.12, 0.24
HSL	86°, 16%, 71%
HSV	86°, 12%, 76%
XYZ	45.8533, 51.1095, 45.4829
YIQ	187.3880, 1.4230, -9.2730

Conversions

Conversions Part 2

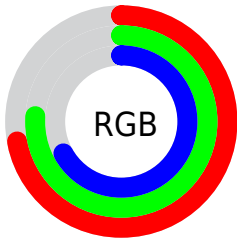
Format	Color
RYB	170, 193, 180
Decimal	12042666
CIELab	76.75, -7.62, 10.40
CIELCh	77, 12.892, 126.227
Yxy	51.1095, 0.3219, 0.3588
Android (android.graphics.Color)	4290232746 (0xFFB7C1AA)
YUV	187.3880, -8.5723, -3.8483
Hunter-Lab	71.4909, -10.6217, 12.3230

Details

The Yxy color **51.1095, 0.3219, 0.3588** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.3100, 0.3027, 0.2990**, and the grayscale version is **49.9741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5383, 0.3205, 0.3533**, and **24.8100, 0.3240, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **49.4340, 0.3295, 0.3858**, and if you desaturate by 10%, it is **52.9583, 0.3142, 0.3336**.

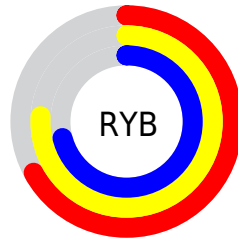
Distribution



Red (72%)

Green (76%)

Blue (67%)



Red (67%)

Yellow (76%)

Blue (71%)

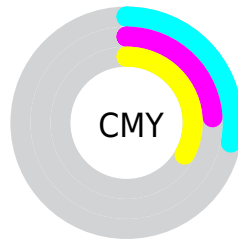


Cyan (5%)

Magenta (0%)

Yellow (12%)

Black (24%)



Cyan (28%)


Magenta (24%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1095, 0.3219, 0.3588 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 51.1095, 0.3219, 0.3588 by changing the saturation by 10% instead.

 51.1095, 0.3219,
0.3588

 51.1095, 0.3219,
0.3588


390.9891, 0.3175,
0.3439

 36.2958, 0.3229,
0.3625


 91.8166, 0.3203,
0.3534

 24.6627, 0.3243,
0.3673


118.4788, 0.3197,
0.3514

 15.8259, 0.3260,
0.3736


149.8592, 0.3192,
0.3496

 9.4011, 0.3282,
0.3825

186.3423, 0.3188,
0.3482

 5.0037, 0.3313,
0.3957

228.3124, 0.3184,
0.3469

 2.2494, 0.3359,
0.4174

276.1540, 0.3181,

 0.7467, 0.3861,

0.3458

0.5505

330.2514, 0.3178,
0.3448

0.0000, 0.0000,
0.0000

51.1095, 0.3219,
0.3588

51.1095, 0.3219,
0.3588

49.4340, 0.3295,
0.3858

52.9583, 0.3142,
0.3336

47.9193, 0.3368,
0.4142

54.9790, 0.3066,
0.3104

46.5616, 0.3432,
0.4432

57.1791, 0.2993,
0.2894

45.3544, 0.3484,
0.4717

59.5634, 0.2924,
0.2705

44.2905, 0.3519,
0.4985

61.3728, 0.2933,
0.2641

■ 43.3622, 0.3534,
0.5221

■ 62.7572, 0.2995,
0.2652

■ 42.5605, 0.3525,
0.5414

■ 64.2090, 0.3057,
0.2664

■ 41.8752, 0.3493,
0.5555

■ 65.7291, 0.3120,
0.2676

■ 41.3914, 0.3456,
0.5638

■ 66.6227, 0.3156,
0.2683

Harmonies

Analogous

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



51.1095, 0.3374, 0.3587



51.1095, 0.3219, 0.3588



51.1095, 0.3043, 0.3503

Triad

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



51.1095, 0.3219, 0.3588



51.1095, 0.2802, 0.3066



51.1095, 0.3365, 0.3220

Complementary

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



51.1095, 0.3219, 0.3588



42.3100, 0.3027, 0.2990

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.



51.1095, 0.3205, 0.3091



51.1095, 0.3219, 0.3588



51.1095, 0.2882, 0.3001

Square

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



51.1095, 0.3219, 0.3588



51.1095, 0.2806, 0.3195



51.1095, 0.3029, 0.3011



51.1095, 0.3460, 0.3370

Rectangle

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



51.1095, 0.3219, 0.3588



51.1095, 0.2938, 0.3409



51.1095, 0.3029, 0.3011



51.1095, 0.3317, 0.3173

Sweetspot

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



51.1117, 0.3219, 0.3588



94.1057, 0.3158, 0.3388



46.8734, 0.3323, 0.3418



20.1337, 0.3164, 0.3407



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.1117, 0.3219, 0.3588



90.8162, 0.3237, 0.3649



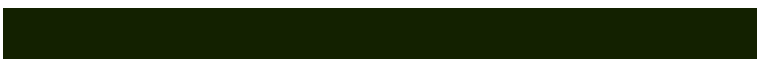
49.7644, 0.3125, 0.3597



11.5330, 0.3199, 0.3522



27.5762, 0.3465, 0.5631



1.2317, 0.3625, 0.5504

Inverse Universe

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



42.3100, 0.3027, 0.2990



72.3006, 0.3005, 0.2928



43.7416, 0.3127, 0.2999



9.9577, 0.3050, 0.3057



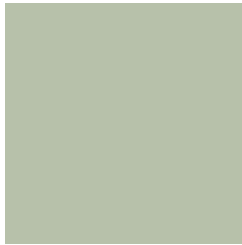
3.8614, 0.1914, 0.0828



0.2075, 0.2173, 0.0971

Previews

White Background



This preview shows how the Yxy color 51.1095, 0.3219, 0.3588 looks on a white background.

Color Contrast Check

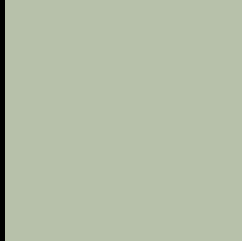
Large Text (above 18pt) WCAG AA × Fail

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 51.1095, 0.3219, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

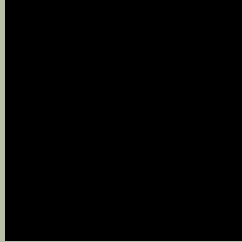
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

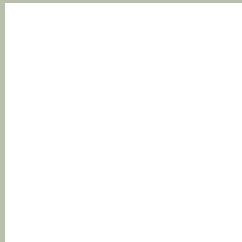
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.1095, 0.3219, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 51.1095, 0.3219, 0.3588.



This preview shows how white text looks on a background with the Yxy color 51.1095, 0.3219, 0.3588.

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

51.1095, 0.3219, 0.3588

Protanopia

51.2281, 0.3368, 0.3554

Deuteranopia

50.7306, 0.3490, 0.3411



Tritanopia

50.9696, 0.3015, 0.3104

Trichromacy



Original Color

51.1095, 0.3219, 0.3588

Protanomaly

51.0289, 0.3315, 0.3557

Deuteranomaly

50.7546, 0.3393, 0.3476

Tritanomaly

51.0276, 0.3087, 0.3277

Monochromacy



Original Color

51.1095, 0.3219, 0.3588

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.1705, 0.3164, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1095, 0.3219, 0.3588 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(183, 193, 170)` looks like.

```
.text, #text, p{  
    color:rgb(183, 193, 170)  
}
```

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(183, 193, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 193, 170) }
```

Border

The CSS property to change the border of an element to Yxy 51.1095, 0.3219, 0.3588 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(183, 193, 170) }
```

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

```
.border{ border-color:rgb(183, 193, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 193, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 193, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 193, 170);  
box-shadow:4px 4px 4px 4px rgb(183, 193,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1095, 0.3219, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 193, 170) }
```

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

```
.background{ background-color: rgb(183,  
193, 170) }
```

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