

Converting Colors

$Y_{xy}(49.4920, 0.3527, 0.3588)$

Have a look what the booklet for
Yxy(49.4920, 0.3527, 0.3588)
contains.

Yxy(49.4920, 0.3527, 0.3588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.4920, 0.3527, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	CEB79F
RGB	206, 183, 159
RGB Percent	81%, 72%, 62%
CMY	0.1921, 0.2824, 0.3764
CMYK	0.00, 0.11, 0.23, 0.19
HSL	31°, 32%, 72%
HSV	31°, 23%, 81%
XYZ	48.6506, 49.4920, 39.7950
YIQ	187.1410, 21.4120, -2.5880

Conversions

Conversions Part 2

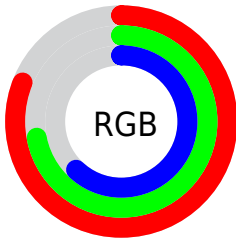
Format	Color
R_{YB}	204, 206, 159
Decimal	13547423
CIE _{Lab}	75.76, 4.46, 15.21
CIE _{LCh}	76, 15.847, 73.649
Yxy	49.4920, 0.3527, 0.3588
Android (android.graphics.Color)	4291737503 (0xFFCEB79F)
YUV	187.1410, -13.8735, 16.5393
Hunter-Lab	70.3506, 0.3273, 15.7070

Details

The Yxy color $49.4920, 0.3527, 0.3588$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $45.3019, 0.2768, 0.2972$, and the grayscale version is $49.8514, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8480, 0.3394, 0.3539$, and $23.6273, 0.3631, 0.3658$ is the 20% darker color. If you saturate the color by 10%, you get $44.8226, 0.3741, 0.3726$, and if you desaturate by 10%, it is $54.5836, 0.3337, 0.3453$.

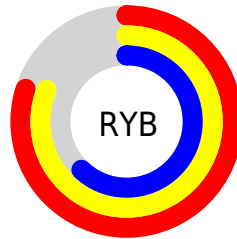
Distribution



Red (81%)

Green (72%)

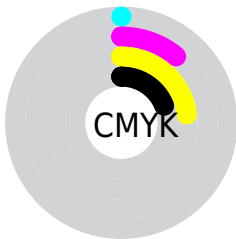
Blue (62%)



Red (80%)

Yellow (81%)

Blue (62%)

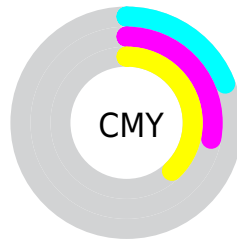


Cyan (0%)

Magenta (11%)

Yellow (23%)

Black (19%)



Cyan (19%)


Magenta (28%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4920, 0.3527, 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 49.4920, 0.3527, 0.3588 by changing the saturation by 10% instead.


 49.4920, 0.3527,
0.3588


 49.4920, 0.3527,
0.3588


384.6760, 0.3328,
0.3443

 35.0099, 0.3576,
0.3623


 89.4217, 0.3455,
0.3536

 23.6705, 0.3639,
0.3667


 115.6382, 0.3428,
0.3516

 15.0894, 0.3721,
0.3725


146.5349, 0.3405,
0.3500

 8.8821, 0.3835,
0.3802

182.4963, 0.3385,
0.3485

 4.6644, 0.4000,
0.3910

223.9067, 0.3368,
0.3472

 2.0517, 0.4264,
0.4075

271.1505, 0.3353,

 0.6373, 0.5286,

0.3461

0.4714

324.6121, 0.3340,
0.3451

0.0000, 0.0000,
0.0000

49.4920, 0.3527,
0.3588

49.4920, 0.3527,
0.3588

44.8226, 0.3741,
0.3726

54.5836, 0.3337,
0.3453

40.5567, 0.3978,
0.3861

60.1021, 0.3170,
0.3325

36.6835, 0.4234,
0.3985

66.0610, 0.3024,
0.3204

33.1894, 0.4503,
0.4089

72.4706, 0.2897,
0.3093

30.0596, 0.4773,
0.4159

78.8805, 0.2825,
0.3061

■ 27.2779, 0.5027,
0.4182

■ 84.7735, 0.2831,
0.3169

■ 24.8259, 0.5248,
0.4152

■ 90.9988, 0.2837,
0.3275

■ 23.2501, 0.5388,
0.4104

■ 91.8651, 0.2838,
0.3289

Harmonies

Analogous

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



49.4920, 0.3554, 0.3432



49.4920, 0.3527, 0.3588



49.4920, 0.3390, 0.3670

Triad

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



49.4920, 0.3527, 0.3588



49.4920, 0.2802, 0.3321



49.4920, 0.3057, 0.2963

Complementary

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



49.4920, 0.3527, 0.3588



45.3019, 0.2768, 0.2972

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.



49.4920, 0.2862, 0.2927



49.4920, 0.3527, 0.3588



49.4920, 0.2719, 0.3124

Square

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



49.4920, 0.3527, 0.3588



49.4920, 0.2971, 0.3516



49.4920, 0.2740, 0.2983



49.4920, 0.3277, 0.3079

Rectangle

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



49.4920, 0.3527, 0.3588



49.4920, 0.3258, 0.3667



49.4920, 0.2740, 0.2983



49.4920, 0.2986, 0.2941

Sweetspot

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



49.4942, 0.3527, 0.3588



93.4509, 0.3239, 0.3379



41.3248, 0.3365, 0.3000



19.8850, 0.3249, 0.3387



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.



49.4942, 0.3527, 0.3588



76.6700, 0.3621, 0.3650



59.7825, 0.3469, 0.3855



12.1441, 0.3277, 0.3408



14.5081, 0.5366, 0.4122



0.9002, 0.5077, 0.4351

Inverse Universe

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



45.3019, 0.2768, 0.2972



68.7985, 0.2694, 0.2900



36.6305, 0.2743, 0.2655



11.7361, 0.2983, 0.3169



8.6570, 0.1766, 0.1557



0.5984, 0.1866, 0.1918

Previews

White Background



This preview shows how the Yxy color 49.4920, 0.3527, 0.3588 looks on a white background.

Color Contrast Check

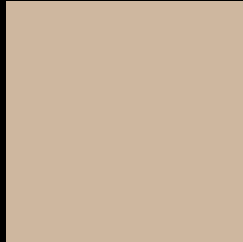
Large Text (above 18pt) WCAG AA × Fail

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 49.4920, 0.3527, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

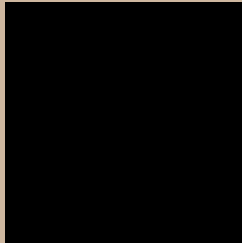
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4920, 0.3527, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 49.4920, 0.3527, 0.3588.



This preview shows how white text looks on a background with the Yxy color 49.4920, 0.3527, 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

49.4920, 0.3527, 0.3588

Protanopia

49.4268, 0.3413, 0.3608

Deuteranopia

49.4767, 0.3599, 0.3533



Tritanopia

49.3482, 0.3292, 0.3123

Trichromacy



Original Color

49.4920, 0.3527, 0.3588

Protanomaly

49.5153, 0.3460, 0.3605

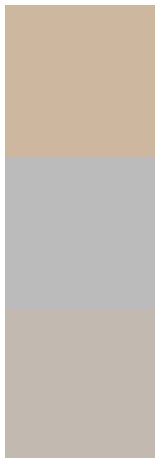
Deuteranomaly

49.4347, 0.3569, 0.3548

Tritanomaly

49.4931, 0.3381, 0.3291

Monochromacy



Original Color

49.4920, 0.3527, 0.3588

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7615, 0.3266, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4920, 0.3527, 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(206, 183, 159)` looks like.

```
.text, #text, p{  
    color:rgb(206, 183, 159)  
}
```

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(206, 183, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 183, 159) }
```

Border

The CSS property to change the border of an element to Yxy 49.4920, 0.3527, 0.3588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

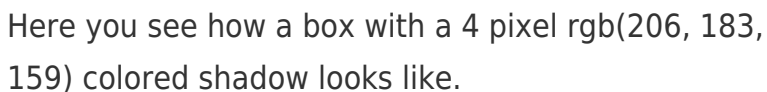
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 183, 159) }
```

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

```
.border{ border-color:rgb(206, 183, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 183, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 183, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 183, 159); box-shadow:4px 4px 4px 4px rgb(206, 183, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4920, 0.3527, 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(206, 183, 159) }
```

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

```
.background{ background-color: rgb(206,  
183, 159) }
```

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