

Converting Colors

$Y_{xy}(52.2566, 0.3715, 0.4227)$

Have a look what the booklet for
Yxy(52.2566, 0.3715, 0.4227)
contains.

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Color

Yxy(52.2566, 0.3715, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	C5C378
RGB	197, 195, 120
RGB Percent	77%, 76%, 47%
CMY	0.2276, 0.2352, 0.5293
CMYK	0.00, 0.01, 0.39, 0.23
HSL	58°, 40%, 62%
HSV	58°, 39%, 77%
XYZ	45.9270, 52.2566, 25.4422
YIQ	187.0480, 25.2670, -22.9010

Conversions

Conversions Part 2

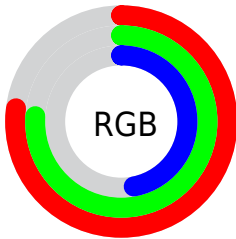
Format	Color
RYB	122, 197, 120
Decimal	12960632
CIELab	77.43, -10.38, 37.91
CIELCh	77, 39.302, 105.310
Yxy	52.2566, 0.3715, 0.4227
Android (android.graphics.Color)	4291150712 (0xFFC5C378)
YUV	187.0480, -33.0547, 8.7279
Hunter-Lab	72.2887, -13.0994, 29.7349

Details

The Yxy color **52.2566, 0.3715, 0.4227** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.9400, 0.2419, 0.2141**, and the grayscale version is **49.9022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2715, 0.3626, 0.4061**, and **25.2427, 0.3853, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **51.6043, 0.3854, 0.4445**, and if you desaturate by 10%, it is **53.0128, 0.3566, 0.3991**.

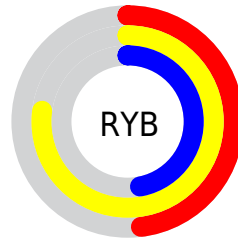
Distribution



Red (77%)

Green (76%)

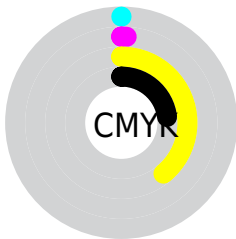
Blue (47%)



Red (48%)

Yellow (77%)

Blue (47%)

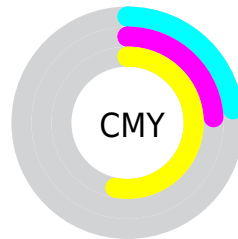


Cyan (0%)

Magenta (1%)

Yellow (39%)

Black (23%)



Cyan (23%)


Magenta (24%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2566, 0.3715, 0.4227 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 52.2566, 0.3715, 0.4227 by changing the saturation by 10% instead.


 52.2566, 0.3715,
0.4227

 52.2566, 0.3715,
0.4227


395.4264, 0.3440,
0.3765


 37.2096, 0.3776,
0.4337


 93.5096, 0.3620,
0.4062

 25.3699, 0.3849,
0.4475


 120.4844, 0.3583,
0.3999

 16.3528, 0.3936,
0.4651


 152.2039, 0.3551,
0.3946

 9.7742, 0.4038,
0.4879

189.0526, 0.3523,
0.3900

 5.2495, 0.4159,
0.5192

231.4147, 0.3498,
0.3859

 2.3944, 0.4317,
0.5683

279.6749, 0.3476,

 0.8230, 0.3912,

0.3824

0.6088

334.2173, 0.3457,
0.3793

0.0000, 0.0000,
0.0000

52.2566, 0.3715,
0.4227

52.2566, 0.3715,
0.4227

51.6043, 0.3854,
0.4445

53.0128, 0.3566,
0.3991

51.0426, 0.3977,
0.4637

53.8714, 0.3413,
0.3748

50.5673, 0.4080,
0.4793


54.8398, 0.3261,
0.3505


50.1706, 0.4157,
0.4908


55.9228, 0.3114,
0.3268


49.8435, 0.4208,
0.4979

57.1249, 0.2974,
0.3043


 49.5706, 0.4236,
0.5014

 58.4505, 0.2843,
0.2832

 49.5460, 0.4238,
0.5017

 59.7151, 0.2740,
0.2666

 59.9457, 0.2741,
0.2672

 60.1770, 0.2741,
0.2677

Harmonies

Analogous

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



52.2566, 0.4078, 0.3987



52.2566, 0.3715, 0.4227



52.2566, 0.3212, 0.4193

Triad

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



52.2566, 0.3715, 0.4227



52.2566, 0.2177, 0.2835



52.2566, 0.3510, 0.2817

Complementary

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



52.2566, 0.3715, 0.4227



21.9400, 0.2419, 0.2141

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.



52.2566, 0.2970, 0.2555



52.2566, 0.3715, 0.4227



52.2566, 0.2239, 0.2540

Square

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



52.2566, 0.3715, 0.4227



52.2566, 0.2340, 0.3312



52.2566, 0.2515, 0.2452



52.2566, 0.3969, 0.3188

Rectangle

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



52.2566, 0.3715, 0.4227



52.2566, 0.2868, 0.3987



52.2566, 0.2515, 0.2452



52.2566, 0.3330, 0.2715

Sweetspot

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



52.2590, 0.3715, 0.4227



97.6872, 0.3308, 0.3580



26.7251, 0.4058, 0.3258



20.8591, 0.3328, 0.3612



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.



52.2590, 0.3715, 0.4227



92.6009, 0.3836, 0.4417



48.8603, 0.3395, 0.4358



12.3688, 0.3266, 0.3513



32.6186, 0.4238, 0.5017



1.5595, 0.4228, 0.5025

Inverse Universe

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



21.9400, 0.2419, 0.2141



30.6187, 0.2235, 0.1841



24.5300, 0.2748, 0.2211



10.3300, 0.2983, 0.3057



2.7418, 0.1505, 0.0618



0.1453, 0.1523, 0.0684

Previews

White Background



This preview shows how the Yxy color 52.2566, 0.3715, 0.4227 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 52.2566, 0.3715, 0.4227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

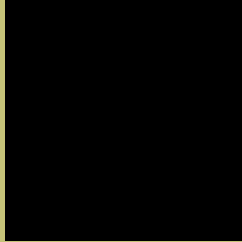
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2566, 0.3715, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 52.2566, 0.3715, 0.4227.



This preview shows how white text looks on a background with the Yxy color 52.2566, 0.3715, 0.4227.

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

52.2566, 0.3715, 0.4227

Protanopia

52.1488, 0.3849, 0.4159

Deuteranopia

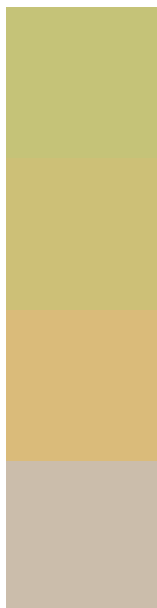
52.1200, 0.4049, 0.3971



Tritanopia

51.9899, 0.3186, 0.3111

Trichromacy



Original Color

52.2566, 0.3715, 0.4227

Protanomaly

52.0103, 0.3808, 0.4182

Deuteranomaly

51.8512, 0.3927, 0.4056

Tritanomaly

52.0320, 0.3387, 0.3512

Monochromacy



Original Color

52.2566, 0.3715, 0.4227

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.5476, 0.3346, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2566, 0.3715, 0.4227 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(197, 195, 120)` looks like.

```
.text, #text, p{  
    color:rgb(197, 195, 120)  
}
```

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(197, 195, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 195, 120) }
```

Border

The CSS property to change the border of an element to Yxy 52.2566, 0.3715, 0.4227 is called "border". The border property can be set on classes, ids or directly on the HTML element.

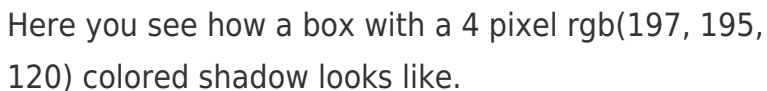
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 195, 120) }
```

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

```
.border{ border-color:rgb(197, 195, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 195, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 195, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 195, 120); box-shadow:4px 4px 4px 4px rgb(197, 195, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2566, 0.3715, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 195, 120) }
```

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

```
.background{ background-color: rgb(197,  
195, 120) }
```

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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