

Converting Colors

$Y_{xy}(52.5011, 0.2920, 0.2990)$

Have a look what the booklet for
Yxy(52.5011, 0.2920, 0.2990)
contains.

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Color

Yxy(52.2980, 0.2922, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	BBBED7
RGB	187, 190, 215
RGB Percent	73%, 75%, 84%
CMY	0.2665, 0.2549, 0.1570
CMYK	0.13, 0.12, 0.00, 0.16
HSL	234°, 26%, 79%
HSV	234°, 13%, 84%
XYZ	51.1771, 52.2980, 71.6689
YIQ	191.9530, -9.8130, 7.1390

Conversions

Conversions Part 2

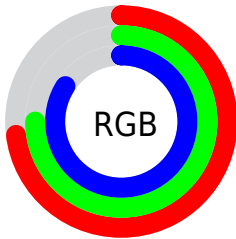
Format	Color
R _Y B	187, 190, 215
Decimal	12304087
CIE Lab	77.46, 3.93, -12.84
CIE LCh	77, 13.428, 287.023
Yxy	52.2980, 0.2922, 0.2986
Android (android.graphics.Color)	4290494167 (0xFFBBBED7)
YUV	191.9530, 11.3622, -4.3438
Hunter-Lab	72.3174, -0.2356, -8.1362

Details

The Yxy color **52.2980, 0.2922, 0.2986** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1295, 0.3325, 0.3577**, and the grayscale version is **52.6239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1862, 0.3055, 0.3202**, and **25.4977, 0.2872, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **42.0027, 0.2744, 0.2718**, and if you desaturate by 10%, it is **64.1018, 0.3083, 0.3224**.

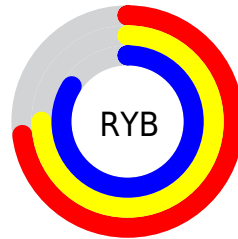
Distribution



Red (73%)

Green (75%)

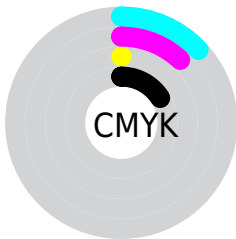
Blue (84%)



Red (73%)

Yellow (75%)

Blue (84%)

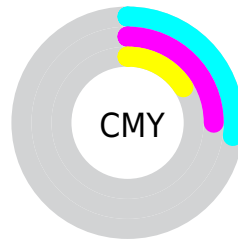


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (16%)



Cyan (27%)

Magenta (25%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2980, 0.2922, 0.2986 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 52.2980, 0.2922, 0.2986 by changing the saturation by 10% instead.

■ 52.2980, 0.2922,
0.2986

■ 52.2980, 0.2922,
0.2986

395.5860, 0.3023,
0.3133

■ 37.2427, 0.2897,
0.2951

■ 93.5706, 0.2958,
0.3038

■ 25.3954, 0.2866,
0.2906

120.5566, 0.2972,
0.3058

■ 16.3719, 0.2826,
0.2848

152.2883, 0.2983,
0.3075

■ 9.7877, 0.2770,
0.2770

189.1501, 0.2993,
0.3090

■ 5.2584, 0.2689,
0.2659

231.5264, 0.3002,
0.3103

■ 2.3997, 0.2563,
0.2488

279.8015, 0.3010,

■ 0.8257, 0.2340,

0.3114

0.2192

334.3599, 0.3017,
0.3124

0.0000, 0.0000,
0.0000

52.2980, 0.2922,
0.2986

52.2980, 0.2922,
0.2986

42.0027, 0.2744,
0.2718

64.1018, 0.3083,
0.3224

33.1489, 0.2551,
0.2421

77.4648, 0.3225,
0.3433

25.6738, 0.2348,
0.2103

92.4432, 0.3351,
0.3615

19.5078, 0.2144,
0.1776

97.6850, 0.3364,
0.3681

14.5750, 0.1949,
0.1455

■ 10.7918, 0.1779,
0.1163

■ 8.0638, 0.1645,
0.0921

■ 6.2815, 0.1556,
0.0746

■ 5.5075, 0.1518,
0.0666

Harmonies

Analogous

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



52.2980, 0.2811, 0.3025



52.2980, 0.2922, 0.2986



52.2980, 0.3090, 0.3024

Triad

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



52.2980, 0.2922, 0.2986



52.2980, 0.3484, 0.3427



52.2980, 0.2979, 0.3461

Complementary

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



52.2980, 0.2922, 0.2986



65.1295, 0.3325, 0.3577

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.



52.2980, 0.3156, 0.3576



52.2980, 0.2922, 0.2986



52.2980, 0.3451, 0.3550

Square

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



52.2980, 0.2922, 0.2986



52.2980, 0.3418, 0.3273



52.2980, 0.3330, 0.3608



52.2980, 0.2844, 0.3297

Rectangle

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



52.2980, 0.2922, 0.2986



52.2980, 0.3213, 0.3087



52.2980, 0.3330, 0.3608



52.2980, 0.3036, 0.3507

Sweetspot

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



52.3002, 0.2922, 0.2986



92.4344, 0.3067, 0.3201



63.8968, 0.2950, 0.3328



19.4892, 0.3055, 0.3184



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.



52.3002, 0.2922, 0.2986



71.9570, 0.2868, 0.2904



52.4348, 0.3004, 0.2958



12.2180, 0.2981, 0.3075



3.3695, 0.1522, 0.0679



0.2765, 0.1580, 0.0888

Inverse Universe

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



53.7189, 0.3339, 0.3256



74.5434, 0.3400, 0.3247



65.0524, 0.3239, 0.3618



12.4419, 0.3275, 0.3266



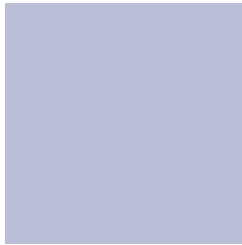
8.6850, 0.6268, 0.3226



0.5312, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 52.2980, 0.2922, 0.2986 looks on a white background.

Color Contrast Check

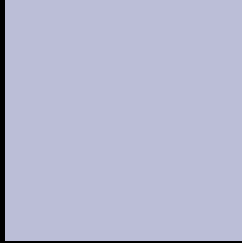
Large Text (above 18pt) WCAG AA × Fail

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 52.2980, 0.2922, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

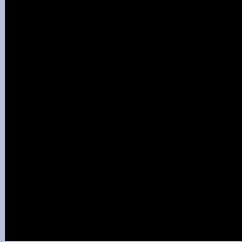
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2980, 0.2922, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 52.2980, 0.2922, 0.2986.



This preview shows how white text looks on a background with the Yxy color 52.2980, 0.2922, 0.2986.

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

52.2980, 0.2922, 0.2986

Protanopia

52.4246, 0.2929, 0.2986

Deuteranopia

52.0814, 0.2999, 0.2934



Tritanopia

52.2057, 0.2970, 0.3092

Trichromacy



Original Color

52.2980, 0.2922, 0.2986

Protanomaly

52.4246, 0.2929, 0.2986

Deuteranomaly

51.9678, 0.2968, 0.2942

Tritanomaly

52.3538, 0.2949, 0.3057

Monochromacy



Original Color

52.2980, 0.2922, 0.2986

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.3789, 0.3052, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2980, 0.2922, 0.2986 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(187, 190, 215)` looks like.

```
.text, #text, p{  
    color:rgb(187, 190, 215)  
}
```

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(187, 190, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 190, 215) }
```

Border

The CSS property to change the border of an element to Yxy 52.2980, 0.2922, 0.2986 is called "border". The border property can be set on classes, ids or directly on the HTML element.

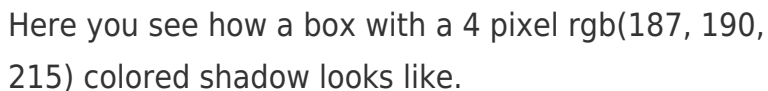
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 190, 215) }
```

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

```
.border{ border-color:rgb(187, 190, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 190, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 190, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 190, 215); box-shadow:4px 4px 4px 4px rgb(187, 190, 215) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 52.2980, 0.2922, 0.2986$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 190, 215) }
```

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

```
.background{ background-color: rgb(187,  
190, 215) }
```

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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