

Converting Colors

$Y_{xy}(51.7938, 0.2952, 0.2979)$

Have a look what the booklet for
Yxy(51.7938, 0.2952, 0.2979)
contains.

Yxy(51.7686, 0.2951, 0.2975)	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(51.7686, 0.2951, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	BEBCD6
RGB	190, 188, 214
RGB Percent	75%, 74%, 84%
CMY	0.2550, 0.2627, 0.1608
CMYK	0.11, 0.12, 0.00, 0.16
HSL	245°, 24%, 79%
HSV	245°, 12%, 84%
XYZ	51.3510, 51.7686, 70.8925
YIQ	191.5620, -7.1540, 8.5100

Conversions

Conversions Part 2

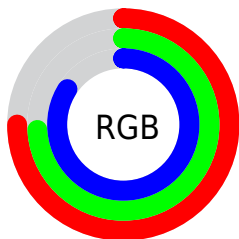
Format	Color
R _Y B	190, 188, 214
Decimal	12500182
CIE Lab	77.14, 5.76, -12.75
CIE LCh	77, 13.993, 294.286
Yxy	51.7686, 0.2951, 0.2975
Android (android.graphics.Color)	4290690262 (0xFFBEBCD6)
YUV	191.5620, 11.0619, -1.3699
Hunter-Lab	71.9504, 1.4822, -8.0530

Details

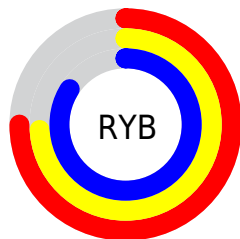
The Yxy color $51.7686, 0.2951, 0.2975$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $65.7150, 0.3292, 0.3589$, and the grayscale version is $52.3808, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.5142, 0.3075, 0.3183$, and $25.1495, 0.2911, 0.2900$ is the 20% darker color. If you saturate the color by 10%, you get $40.9198, 0.2784, 0.2680$, and if you desaturate by 10%, it is $64.3227, 0.3098, 0.3238$.

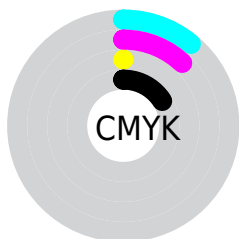
Distribution



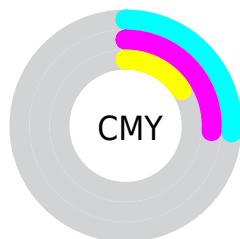
- Red (75%)
- Green (74%)
- Blue (84%)



- Red (75%)
- Yellow (74%)
- Blue (84%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)



- Cyan (26%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7686, 0.2951, 0.2975 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 51.7686, 0.2951, 0.2975 by changing the saturation by 10% instead.

■ 51.7686, 0.2951,
0.2975

■ 51.7686, 0.2951,
0.2975

393.5426, 0.3038,
0.3127

■ 36.8207, 0.2930,
0.2939

■ 92.7899, 0.2982,
0.3029

■ 25.0687, 0.2903,
0.2892

119.6320, 0.2994,
0.3050

■ 16.1282, 0.2867,
0.2833

151.2077, 0.3004,
0.3068

■ 9.6149, 0.2818,
0.2752

187.9013, 0.3013,
0.3083

■ 5.1444, 0.2747,
0.2637

230.0971, 0.3020,
0.3096

■ 2.3322, 0.2634,
0.2461

278.1797, 0.3027,

■ 0.7907, 0.2433,

0.3108

0.2154

332.5334, 0.3033,
0.3118

0.0000, 0.0000,
0.0000

51.7686, 0.2951,
0.2975

51.7686, 0.2951,
0.2975

40.9198, 0.2784,
0.2680

64.3227, 0.3098,
0.3238

31.6964, 0.2598,
0.2356

78.6443, 0.3226,
0.3469

24.0221, 0.2398,
0.2012

94.8006, 0.3336,
0.3669

17.8118, 0.2192,
0.1663

97.6342, 0.3370,
0.3691

12.9722, 0.1991,
0.1331

■ 9.3991, 0.1811,
0.1041

■ 6.9735, 0.1666,
0.0817

■ 5.5536, 0.1567,
0.0673

■ 4.9666, 0.1521,
0.0611

Harmonies

Analogous

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



51.7686, 0.2818, 0.2996



51.7686, 0.2951, 0.2975



51.7686, 0.3135, 0.3033

Triad

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



51.7686, 0.2951, 0.2975



51.7686, 0.3502, 0.3468



51.7686, 0.2932, 0.3430

Complementary

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



51.7686, 0.2951, 0.2975



65.7150, 0.3292, 0.3589

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.



51.7686, 0.3111, 0.3568



51.7686, 0.2951, 0.2975



51.7686, 0.3442, 0.3584

Square

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



51.7686, 0.2951, 0.2975



51.7686, 0.3457, 0.3311



51.7686, 0.3298, 0.3624



51.7686, 0.2808, 0.3254

Rectangle

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



51.7686, 0.2951, 0.2975



51.7686, 0.3262, 0.3108



51.7686, 0.3298, 0.3624



51.7686, 0.2988, 0.3482

Sweetspot

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



51.7708, 0.2951, 0.2975



91.9199, 0.3072, 0.3191



62.7603, 0.2942, 0.3269



19.3596, 0.3061, 0.3171



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.



51.7708, 0.2951, 0.2975



71.8788, 0.2903, 0.2889



53.4842, 0.3051, 0.2984



12.0533, 0.2993, 0.3050



3.0199, 0.1526, 0.0614



0.1982, 0.1605, 0.0658

Inverse Universe

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



55.0192, 0.3156, 0.3015



77.7912, 0.3164, 0.2945



63.8949, 0.3196, 0.3598



12.6157, 0.3149, 0.3077



11.1054, 0.3408, 0.1651



0.6748, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 51.7686, 0.2951, 0.2975 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 51.7686, 0.2951, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

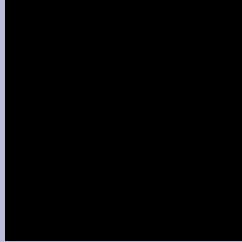
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7686, 0.2951, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 51.7686, 0.2951, 0.2975.



This preview shows how white text looks on a background with the Yxy color 51.7686, 0.2951, 0.2975.

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

51.7686, 0.2951, 0.2975

Protanopia

51.8663, 0.2921, 0.2973

Deuteranopia

51.5587, 0.3014, 0.2944



Tritanopia

51.9261, 0.3000, 0.3105

Trichromacy



Original Color

51.7686, 0.2951, 0.2975

Protanomaly

51.9929, 0.2929, 0.2974

Deuteranomaly

51.5750, 0.2990, 0.2954

Tritanomaly

51.7681, 0.2986, 0.3057

Monochromacy



Original Color

51.7686, 0.2951, 0.2975

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.5081, 0.3060, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7686, 0.2951, 0.2975 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(190, 188, 214)` looks like.

```
.text, #text, p{  
    color:rgb(190, 188, 214)  
}
```

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(190, 188, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 188, 214) }
```

Border

The CSS property to change the border of an element to Yxy 51.7686, 0.2951, 0.2975 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(190, 188, 214) }
```

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

```
.border{ border-color:rgb(190, 188, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 188, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 188, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 188, 214);  
box-shadow:4px 4px 4px 4px rgb(190, 188,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7686, 0.2951, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 188, 214) }
```

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

```
.background{ background-color: rgb(190,  
188, 214) }
```

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