

Converting Colors

$Y_{xy}(52.1016, 0.3173, 0.3439)$

Have a look what the booklet for
Yxy(52.1016, 0.3173, 0.3439)
contains.

Yxy(52.1675, 0.3177, 0.3442)	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(52.1675, 0.3177, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	BCC1B5
RGB	188, 193, 181
RGB Percent	74%, 76%, 71%
CMY	0.2627, 0.2431, 0.2902
CMYK	0.03, 0.00, 0.06, 0.24
HSL	85°, 9%, 73%
HSV	85°, 6%, 76%
XYZ	48.1511, 52.1675, 51.2430
YIQ	190.1370, 0.8720, -4.7920

Conversions

Conversions Part 2

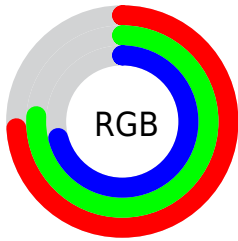
Format	Color
RYB	181, 193, 186
Decimal	12370357
CIELab	77.38, -3.91, 5.43
CIELCh	77, 6.696, 125.770
Yxy	52.1675, 0.3177, 0.3442
Android (android.graphics.Color)	4290560437 (0xFFBCC1B5)
YUV	190.1370, -4.5045, -1.8741
Hunter-Lab	72.2271, -7.3980, 8.4944

Details

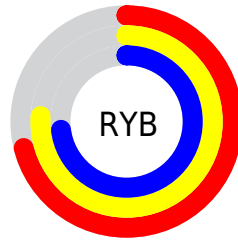
The Yxy color **52.1675, 0.3177, 0.3442** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.3319, 0.3075, 0.3137**, and the grayscale version is **51.6035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0989, 0.3166, 0.3409**, and **25.4656, 0.3194, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **50.4414, 0.3257, 0.3702**, and if you desaturate by 10%, it is **54.0644, 0.3097, 0.3202**.

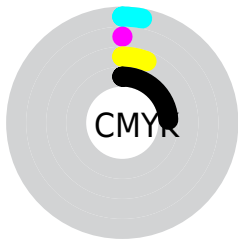
Distribution



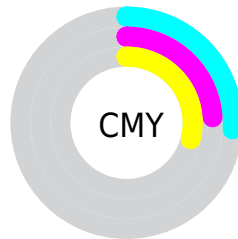
- Red (74%)
- Green (76%)
- Blue (71%)



- Red (71%)
- Yellow (76%)
- Blue (73%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)



- Cyan (26%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1675, 0.3177, 0.3442 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 52.1675, 0.3177, 0.3442 by changing the saturation by 10% instead.

■ 52.1675, 0.3177,
0.3442

■ 52.1675, 0.3177,
0.3442

395.0829, 0.3153,
0.3367

■ 37.1386, 0.3183,
0.3461

■ 93.3782, 0.3168,
0.3415

■ 25.3148, 0.3190,
0.3484

120.3288, 0.3165,
0.3405

■ 16.3118, 0.3200,
0.3515

152.0221, 0.3162,
0.3396

■ 9.7450, 0.3213,
0.3559

188.8425, 0.3160,
0.3389

■ 5.2302, 0.3232,
0.3623

231.1744, 0.3158,
0.3382

■ 2.3830, 0.3260,
0.3726

279.4022, 0.3156,

■ 0.8171, 0.3392,

0.3376

0.4069

333.9102, 0.3154,
0.3371

0.0000, 0.0000,
0.0000

52.1675, 0.3177,
0.3442

52.1675, 0.3177,
0.3442

50.4414, 0.3257,
0.3702

54.0644, 0.3097,
0.3202

48.8740, 0.3336,
0.3977

56.1305, 0.3020,
0.2982

47.4618, 0.3409,
0.4263

58.3729, 0.2946,
0.2783


46.1987, 0.3472,
0.4549

60.5889, 0.2898,
0.2634


45.0780, 0.3521,
0.4825


61.8705, 0.2956,
0.2645

 44.0926, 0.3550,
0.5077


 63.2129, 0.3015,
0.2656

 43.2345, 0.3558,
0.5293

 64.6170, 0.3074,
0.2667

 42.4942, 0.3542,
0.5461

 66.0835, 0.3134,
0.2679

 41.8605, 0.3503,
0.5577

 66.6207, 0.3156,
0.2683

Harmonies

Analogous

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



52.1675, 0.3256, 0.3442



52.1675, 0.3177, 0.3442



52.1675, 0.3086, 0.3399

Triad

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



52.1675, 0.3177, 0.3442



52.1675, 0.2957, 0.3176



52.1675, 0.3248, 0.3253

Complementary

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



52.1675, 0.3177, 0.3442



47.3319, 0.3075, 0.3137

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.



52.1675, 0.3167, 0.3185



52.1675, 0.3177, 0.3442



52.1675, 0.2999, 0.3140

Square

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



52.1675, 0.3177, 0.3442



52.1675, 0.2960, 0.3244



52.1675, 0.3076, 0.3143



52.1675, 0.3297, 0.3332

Rectangle

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



52.1675, 0.3177, 0.3442



52.1675, 0.3031, 0.3353



52.1675, 0.3076, 0.3143



52.1675, 0.3224, 0.3228

Sweetspot

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



52.1698, 0.3177, 0.3442



94.8200, 0.3143, 0.3339



49.7057, 0.3226, 0.3351



20.3495, 0.3143, 0.3336



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.



52.1698, 0.3177, 0.3442



93.1481, 0.3184, 0.3464



51.4453, 0.3130, 0.3444



11.6175, 0.3187, 0.3474



27.7432, 0.3495, 0.5607



1.2384, 0.3650, 0.5484

Inverse Universe

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



47.3319, 0.3075, 0.3137



83.3066, 0.3067, 0.3115



48.0757, 0.3124, 0.3140



10.3249, 0.3064, 0.3105



3.7446, 0.1880, 0.0809



0.2022, 0.2141, 0.0953

Previews

White Background



This preview shows how the Yxy color 52.1675, 0.3177, 0.3442 looks on a white background.

Color Contrast Check

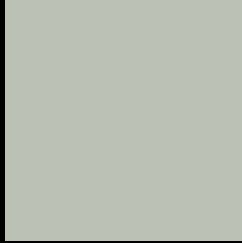
Large Text (above 18pt) WCAG AA × Fail

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 52.1675, 0.3177, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

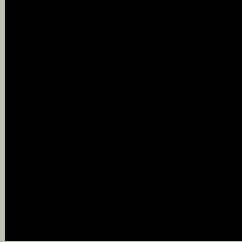
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

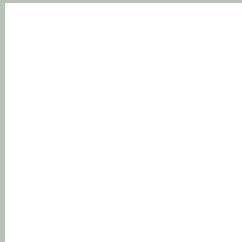
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1675, 0.3177, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 52.1675, 0.3177, 0.3442.



This preview shows how white text looks on a background with the Yxy color 52.1675, 0.3177, 0.3442.

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

52.1675, 0.3177, 0.3442

Protanopia

51.9925, 0.3263, 0.3415

Deuteranopia

52.2630, 0.3383, 0.3315



Tritanopia

51.9613, 0.3039, 0.3106

Trichromacy



Original Color

52.1675, 0.3177, 0.3442

Protanomaly

52.0262, 0.3236, 0.3428

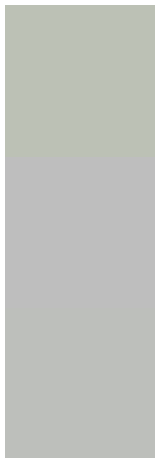
Deuteranomaly

52.1812, 0.3309, 0.3364

Tritanomaly

51.8888, 0.3090, 0.3216

Monochromacy



Original Color

52.1675, 0.3177, 0.3442

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.6683, 0.3141, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1675, 0.3177, 0.3442 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(188, 193, 181)` looks like.

```
.text, #text, p{  
    color:rgb(188, 193, 181)  
}
```

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(188, 193, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 193, 181) }
```

Border

The CSS property to change the border of an element to Yxy 52.1675, 0.3177, 0.3442 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(188, 193, 181) }
```

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

```
.border{ border-color:rgb(188, 193, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 193, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 193, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 193, 181);  
box-shadow:4px 4px 4px 4px rgb(188, 193,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1675, 0.3177, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 193, 181) }
```

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

```
.background{ background-color: rgb(188,  
193, 181) }
```

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