

Converting Colors

$Y_{xy}(52.1325, 0.3414, 0.4103)$

Have a look what the booklet for
Yxy(52.1325, 0.3414, 0.4103)
contains.

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Color

Yxy(52.1180, 0.3413, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	B2C789
RGB	178, 199, 137
RGB Percent	70%, 78%, 54%
CMY	0.3019, 0.2196, 0.4627
CMYK	0.11, 0.00, 0.31, 0.22
HSL	80°, 36%, 66%
HSV	80°, 31%, 78%
XYZ	43.3006, 52.1180, 31.4510
YIQ	185.6530, 7.3860, -23.7340

Conversions

Conversions Part 2

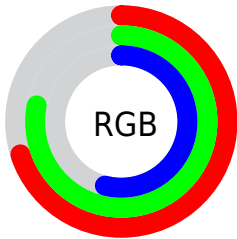
Format	Color
RYB	137, 199, 158
Decimal	11716489
CIELab	77.35, -17.65, 28.74
CIELCh	77, 33.729, 121.548
Yxy	52.1180, 0.3413, 0.4108
Android (android.graphics.Color)	4289906569 (0xFFB2C789)
YUV	185.6530, -23.9859, -6.7117
Hunter-Lab	72.1928, -19.2748, 24.7051

Details

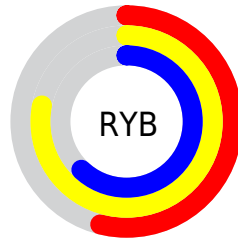
The Yxy color **52.1180, 0.3413, 0.4108** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.2913, 0.2767, 0.2429**, and the grayscale version is **49.0344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7740, 0.3367, 0.3950**, and **25.2827, 0.3484, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **50.8227, 0.3495, 0.4387**, and if you desaturate by 10%, it is **53.5624, 0.3323, 0.3832**.

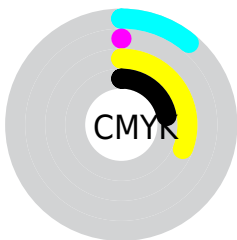
Distribution



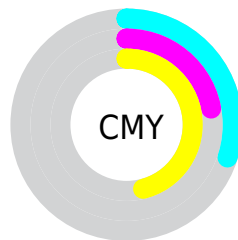
- Red (70%)
- Green (78%)
- Blue (54%)



- Red (54%)
- Yellow (78%)
- Blue (62%)



- Cyan (11%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (30%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1180, 0.3413, 0.4108 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 52.1180, 0.3413, 0.4108 by changing the saturation by 10% instead.


 52.1180, 0.3413,
0.4108

 52.1180, 0.3413,
0.4108


394.8920, 0.3282,
0.3695


 37.0991, 0.3441,
0.4211


 93.3052, 0.3369,
0.3958

 25.2843, 0.3475,
0.4343

 120.2424, 0.3351,
0.3901

 16.2890, 0.3514,
0.4518


 151.9211, 0.3336,
0.3854

 9.7289, 0.3559,
0.4758

188.7258, 0.3322,
0.3813

 5.2196, 0.3602,
0.5103

231.0409, 0.3310,
0.3777

 2.3767, 0.3828,
0.5966

279.2506, 0.3300,

 0.8138, 0.2963,

0.3747

0.7037

333.7395, 0.3291,
0.3719

0.0000, 0.0000,
0.0000

52.1180, 0.3413,
0.4108

52.1180, 0.3413,
0.4108

50.8227, 0.3495,
0.4387

53.5624, 0.3323,
0.3832

49.6633, 0.3565,
0.4658

55.1550, 0.3231,
0.3567

48.6352, 0.3618,
0.4910


56.9035, 0.3138,
0.3318

47.7306, 0.3649,
0.5131

58.8131, 0.3047,
0.3086


46.9409, 0.3656,
0.5309


60.8889, 0.2961,
0.2875


 46.2559, 0.3638,
0.5439

 63.0437, 0.2888,
0.2697

 45.7203, 0.3606,
0.5519

 64.1072, 0.2936,
0.2705

 65.2135, 0.2984,
0.2713

 66.3631, 0.3033,
0.2722

Harmonies

Analogous

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



52.1180, 0.3804, 0.4029



52.1180, 0.3413, 0.4108



52.1180, 0.2963, 0.3922

Triad

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



52.1180, 0.3413, 0.4108



52.1180, 0.2305, 0.2740



52.1180, 0.3688, 0.3048

Complementary

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



52.1180, 0.3413, 0.4108



29.2913, 0.2767, 0.2429

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.



52.1180, 0.3245, 0.2759



52.1180, 0.3413, 0.4108



52.1180, 0.2464, 0.2575

Square

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



52.1180, 0.3413, 0.4108



52.1180, 0.2342, 0.3078



52.1180, 0.2798, 0.2588



52.1180, 0.3980, 0.3404

Rectangle

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



52.1180, 0.3413, 0.4108



52.1180, 0.2691, 0.3671



52.1180, 0.2798, 0.2588



52.1180, 0.3551, 0.2942

Sweetspot

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



52.1203, 0.3413, 0.4108



97.1642, 0.3212, 0.3515



38.2940, 0.3744, 0.3563



20.7036, 0.3226, 0.3553



0.0000, 0.0000, 0.0000



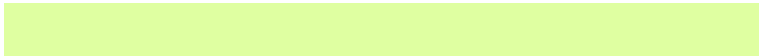
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.1203, 0.3413, 0.4108



89.7747, 0.3467, 0.4286



48.8902, 0.3163, 0.4176



12.2302, 0.3214, 0.3522



29.4481, 0.3614, 0.5512



1.4331, 0.3737, 0.5414

Inverse Universe

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



29.2913, 0.2767, 0.2429



43.8742, 0.2674, 0.2229



32.7973, 0.3061, 0.2500



10.4592, 0.3035, 0.3055



3.4719, 0.1761, 0.0744



0.2044, 0.2002, 0.0877

Previews

White Background



This preview shows how the Yxy color 52.1180, 0.3413, 0.4108 looks on a white background.

Color Contrast Check

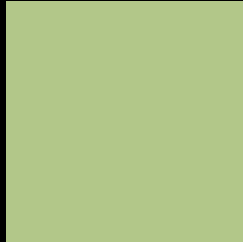
Large Text (above 18pt) WCAG AA × Fail

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 52.1180, 0.3413, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

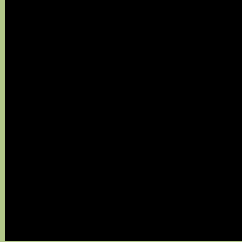
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1180, 0.3413, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 52.1180, 0.3413, 0.4108.



This preview shows how white text looks on a background with the Yxy color 52.1180, 0.3413, 0.4108.

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

52.1180, 0.3413, 0.4108

Protanopia

52.0769, 0.3714, 0.4003

Deuteranopia

51.9292, 0.3871, 0.3790



Tritanopia

51.7995, 0.2992, 0.3105

Trichromacy



Original Color

52.1180, 0.3413, 0.4108

Protanomaly

52.0406, 0.3606, 0.4048

Deuteranomaly

51.8146, 0.3701, 0.3902

Tritanomaly

51.6256, 0.3152, 0.3456

Monochromacy



Original Color

52.1180, 0.3413, 0.4108

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.1560, 0.3237, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1180, 0.3413, 0.4108 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(178, 199, 137)` looks like.

```
.text, #text, p{  
    color:rgb(178, 199, 137)  
}
```

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(178, 199, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 199, 137) }
```

Border

The CSS property to change the border of an element to Yxy 52.1180, 0.3413, 0.4108 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(178, 199, 137) }
```

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

```
.border{ border-color:rgb(178, 199, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 199, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 199, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 199, 137);  
box-shadow:4px 4px 4px 4px rgb(178, 199,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1180, 0.3413, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 199, 137) }
```

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

```
.background{ background-color: rgb(178,  
199, 137) }
```

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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