

Converting Colors

$Yxy(52.5705, 0.3191, 0.4216)$

Have a look what the booklet for
Yxy(52.5705, 0.3191, 0.4216)
contains.

Yxy(52.7790, 0.3185, 0.4217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.7790, 0.3185, 0.4217)

Conversions

Conversions Part 1

Format	Color
Hex	99CE8B
RGB	153, 206, 139
RGB Percent	60%, 81%, 55%
CMY	0.4002, 0.1921, 0.4549
CMYK	0.26, 0.00, 0.33, 0.19
HSL	108°, 41%, 68%
HSV	108°, 33%, 81%
XYZ	39.8627, 52.7790, 32.5160
YIQ	182.5150, -10.0810, -32.0730

Conversions

Conversions Part 2

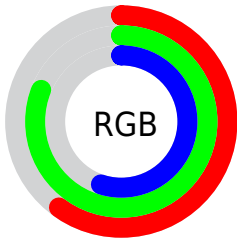
Format	Color
RYB	139, 206, 192
Decimal	10079883
CIELab	77.74, -29.81, 27.95
CIELCh	78, 40.857, 136.844
Yxy	52.7790, 0.3185, 0.4217
Android (android.graphics.Color)	4288269963 (0xFF99CE8B)
YUV	182.5150, -21.4529, -25.8847
Hunter-Lab	72.6492, -29.1927, 24.3177

Details

The Yxy color **52.7790, 0.3185, 0.4217** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1406, 0.3030, 0.2455**, and the grayscale version is **47.1951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7802, 0.3187, 0.3963**, and **25.5471, 0.3181, 0.4494** is the 20% darker color. If you saturate the color by 10%, you get **50.7548, 0.3193, 0.4549**, and if you desaturate by 10%, it is **55.1382, 0.3171, 0.3902**.

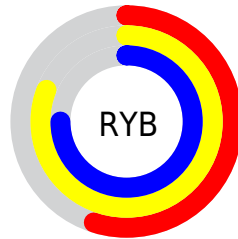
Distribution



Red (60%)

Green (81%)

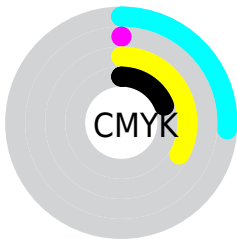
Blue (55%)



Red (55%)

Yellow (81%)

Blue (75%)

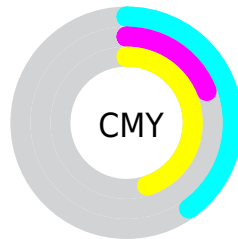


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (19%)



Cyan (40%)


Magenta (19%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7790, 0.3185, 0.4217 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 52.7790, 0.3185, 0.4217 by changing the saturation by 10% instead.


 52.7790, 0.3185,
0.4217

 52.7790, 0.3185,
0.4217


397.4367, 0.3170,
0.3742

 37.6264, 0.3184,
0.4338


 94.2791, 0.3183,
0.4042

 25.6928, 0.3180,
0.4495


 121.3953, 0.3181,
0.3977

 16.5940, 0.3169,
0.4706

 153.2683, 0.3179,
0.3922

 9.9454, 0.3144,
0.5001

190.2822, 0.3177,
0.3876

 5.3628, 0.3085,
0.5438

232.8217, 0.3175,
0.3835

 2.4617, 0.3076,
0.6439

281.2710, 0.3173,

 0.8573, 0.0924,

0.3800

0.9076

336.0145, 0.3172,
0.3769

0.0000, 0.0000,
0.0000

52.7790, 0.3185,
0.4217

52.7790, 0.3185,
0.4217

50.7548, 0.3193,
0.4549

55.1382, 0.3171,
0.3902

49.0437, 0.3194,
0.4885

57.8398, 0.3153,
0.3612

47.6316, 0.3184,
0.5207


60.8993, 0.3132,
0.3351


46.5005, 0.3165,
0.5491


64.3293, 0.3111,
0.3119


45.6305, 0.3135,
0.5717

68.1418, 0.3090,
0.2916

 44.9988, 0.3098,
0.5871

 71.8478, 0.3120,
0.2807

 44.6597, 0.3070,
0.5944

 72.6288, 0.3150,
0.2811

Harmonies

Analogous

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



52.7790, 0.3709, 0.4267



52.7790, 0.3185, 0.4217



52.7790, 0.2670, 0.3834

Triad

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



52.7790, 0.3185, 0.4217



52.7790, 0.2220, 0.2504



52.7790, 0.4018, 0.3204

Complementary

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



52.7790, 0.3185, 0.4217



34.1406, 0.3030, 0.2455

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.



52.7790, 0.3551, 0.2819



52.7790, 0.3185, 0.4217



52.7790, 0.2514, 0.2426

Square

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



52.7790, 0.3185, 0.4217



52.7790, 0.2144, 0.2797



52.7790, 0.2991, 0.2542



52.7790, 0.4220, 0.3633

Rectangle

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



52.7790, 0.3185, 0.4217



52.7790, 0.2401, 0.3470



52.7790, 0.2991, 0.2542



52.7790, 0.3885, 0.3068

Sweetspot

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



52.7813, 0.3185, 0.4217



94.8345, 0.3148, 0.3547



52.4663, 0.3665, 0.3936



20.1535, 0.3151, 0.3585



0.0000, 0.0000, 0.0000



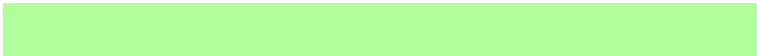
21.4041, 0.3127, 0.3290

Same Dimension

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



52.7813, 0.3185, 0.4217



83.1642, 0.3192, 0.4447



52.1072, 0.2961, 0.3967



12.6476, 0.3147, 0.3527



27.5302, 0.3078, 0.5938



1.4536, 0.3212, 0.5831

Inverse Universe

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



34.1406, 0.3030, 0.2455



48.3896, 0.3002, 0.2273



35.1812, 0.3349, 0.2699



11.2813, 0.3105, 0.3059



7.5894, 0.2691, 0.1256



0.4219, 0.2798, 0.1315

Previews

White Background



This preview shows how the Yxy color 52.7790, 0.3185, 0.4217 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 52.7790, 0.3185, 0.4217 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 52.7790, 0.3185, 0.4217

Background



This preview shows how black text looks on a background with the Yxy color 52.7790, 0.3185, 0.4217.



This preview shows how white text looks on a background with the Yxy color 52.7790, 0.3185, 0.4217.

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

52.7790, 0.3185, 0.4217

Protanopia

52.2205, 0.3723, 0.4001

Deuteranopia

52.4633, 0.3833, 0.3756



Tritanopia

52.6853, 0.2786, 0.3099

Trichromacy



Original Color

52.7790, 0.3185, 0.4217

Protanomaly

51.7939, 0.3513, 0.4079

Deuteranomaly

51.7944, 0.3577, 0.3919

Tritanomaly

52.3884, 0.2937, 0.3488

Monochromacy



Original Color

52.7790, 0.3185, 0.4217

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.8223, 0.3153, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7790, 0.3185, 0.4217 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(153, 206, 139)` looks like.

```
.text, #text, p{  
    color:rgb(153, 206, 139)  
}
```

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(153, 206, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 206, 139) }
```

Border

The CSS property to change the border of an element to Yxy 52.7790, 0.3185, 0.4217 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(153, 206, 139) }
```

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

```
.border{ border-color:rgb(153, 206, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 206, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 206, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 206, 139);  
box-shadow:4px 4px 4px 4px rgb(153, 206,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7790, 0.3185, 0.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 206, 139) }
```

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

```
.background{ background-color: rgb(153,  
206, 139) }
```

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