

Converting Colors

$Yxy(54.0194, 0.3306, 0.4283)$

Have a look what the booklet for
Yxy(54.0194, 0.3306, 0.4283)
contains.

Yxy(54.2116, 0.3308, 0.4285)	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(54.2116, 0.3308, 0.4285)

Conversions

Conversions Part 1

Format	Color
Hex	A4CF85
RGB	164, 207, 133
RGB Percent	64%, 81%, 52%
CMY	0.3570, 0.1882, 0.4784
CMYK	0.21, 0.00, 0.36, 0.19
HSL	95°, 44%, 67%
HSV	95°, 36%, 81%
XYZ	41.8511, 54.2116, 30.4521
YIQ	185.7070, -1.8740, -32.1300

Conversions

Conversions Part 2

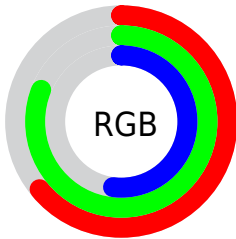
Format	Color
RYB	133, 207, 176
Decimal	10801029
CIELab	78.58, -27.31, 32.29
CIELCh	79, 42.284, 130.224
Yxy	54.2116, 0.3308, 0.4285
Android (android.graphics.Color)	4288991109 (0xFFA4CF85)
YUV	185.7070, -25.9846, -19.0370
Hunter-Lab	73.6285, -27.3890, 27.0181

Details

The Yxy color **54.2116, 0.3308, 0.4285** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.5214, 0.2867, 0.2329**, and the grayscale version is **49.0770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3235, 0.3298, 0.4013**, and **26.4452, 0.3339, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **52.4761, 0.3344, 0.4595**, and if you desaturate by 10%, it is **56.1859, 0.3263, 0.3982**.

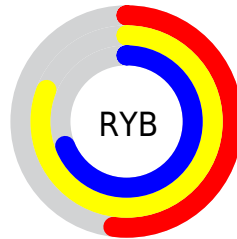
Distribution



Red (64%)

Green (81%)

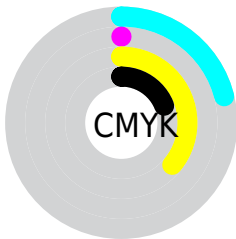
Blue (52%)



Red (52%)

Yellow (81%)

Blue (69%)

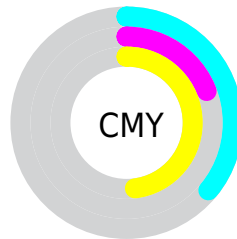


Cyan (21%)

Magenta (0%)

Yellow (36%)

Black (19%)



Cyan (36%)


Magenta (19%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2116, 0.3308, 0.4285 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 54.2116, 0.3308, 0.4285 by changing the saturation by 10% instead.


 54.2116, 0.3308,
0.4285


 54.2116, 0.3308,
0.4285


402.9164, 0.3235,
0.3779


 38.7709, 0.3320,
0.4412


 96.3849, 0.3286,
0.4100

 26.5815, 0.3332,
0.4575


 123.8862, 0.3276,
0.4031

 17.2592, 0.3341,
0.4791


 156.1765, 0.3268,
0.3973

 10.4195, 0.3340,
0.5089

193.6401, 0.3260,
0.3923

 5.6779, 0.3311,
0.5517

236.6616, 0.3253,
0.3880

 2.6503, 0.3412,
0.6588

285.6251, 0.3246,

 0.9520, 0.1992,

0.3842

0.8008

340.9153, 0.3240,
0.3809

0.0000, 0.0000,
0.0000

54.2116, 0.3308,
0.4285

54.2116, 0.3308,
0.4285

52.4761, 0.3344,
0.4595

56.1859, 0.3263,
0.3982

50.9623, 0.3367,
0.4900

58.4014, 0.3212,
0.3696

49.6617, 0.3374,
0.5183


60.8690, 0.3158,
0.3431

48.5624, 0.3361,
0.5428


63.5971, 0.3104,
0.3191

47.6508, 0.3329,
0.5621


66.5936, 0.3051,
0.2974

 46.9110, 0.3280,
0.5752

 69.7222, 0.3015,
0.2802

 46.6378, 0.3257,
0.5796

 71.8562, 0.3101,
0.2814

 73.1116, 0.3149,
0.2821

Harmonies

Analogous

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



54.2116, 0.3827, 0.4257



54.2116, 0.3308, 0.4285



54.2116, 0.2766, 0.3960

Triad

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



54.2116, 0.3308, 0.4285



54.2116, 0.2162, 0.2532



54.2116, 0.3954, 0.3108

Complementary

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



54.2116, 0.3308, 0.4285



30.5214, 0.2867, 0.2329

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.



54.2116, 0.3436, 0.2734



54.2116, 0.3308, 0.4285



54.2116, 0.2415, 0.2406

Square

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



54.2116, 0.3308, 0.4285



54.2116, 0.2136, 0.2878



54.2116, 0.2867, 0.2484



54.2116, 0.4232, 0.3542

Rectangle

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



54.2116, 0.3308, 0.4285



54.2116, 0.2465, 0.3602



54.2116, 0.2867, 0.2484



54.2116, 0.3799, 0.2973

Sweetspot

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



54.2140, 0.3308, 0.4285



95.3587, 0.3187, 0.3571



45.5998, 0.3790, 0.3816



20.2958, 0.3195, 0.3608



0.0000, 0.0000, 0.0000



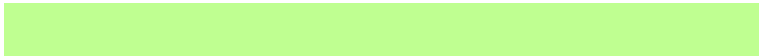
21.4041, 0.3127, 0.3290

Same Dimension

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



54.2140, 0.3308, 0.4285



84.6789, 0.3337, 0.4526



51.4526, 0.3046, 0.4286



13.4443, 0.3178, 0.3526



29.4329, 0.3267, 0.5788



1.6918, 0.3414, 0.5671

Inverse Universe

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



30.5214, 0.2867, 0.2329



41.1535, 0.2792, 0.2106



34.3136, 0.3216, 0.2463



11.7524, 0.3072, 0.3056



5.4299, 0.2198, 0.0984



0.3497, 0.2380, 0.1085

Previews

White Background



This preview shows how the Yxy color 54.2116, 0.3308, 0.4285 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 54.2116, 0.3308, 0.4285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

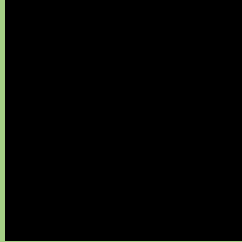
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.2116, 0.3308, 0.4285

Background



This preview shows how black text looks on a background with the Yxy color 54.2116, 0.3308, 0.4285.



This preview shows how white text looks on a background with the Yxy color 54.2116, 0.3308, 0.4285.

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

54.2116, 0.3308, 0.4285

Protanopia

53.9910, 0.3785, 0.4083

Deuteranopia

53.7758, 0.3910, 0.3839



Tritanopia

53.9667, 0.2857, 0.3091

Trichromacy



Original Color

54.2116, 0.3308, 0.4285

Protanomaly

53.9279, 0.3601, 0.4158

Deuteranomaly

53.4830, 0.3679, 0.4000

Tritanomaly

54.0046, 0.3025, 0.3510

Monochromacy



Original Color

54.2116, 0.3308, 0.4285

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

50.8386, 0.3199, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2116, 0.3308, 0.4285 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(164, 207, 133)` looks like.

```
.text, #text, p{  
    color:rgb(164, 207, 133)  
}
```

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(164, 207, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 207, 133) }
```

Border

The CSS property to change the border of an element to Yxy 54.2116, 0.3308, 0.4285 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(164, 207, 133) }
```

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

```
.border{ border-color:rgb(164, 207, 133) }
```

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

Here you see how a box with a 4 pixel rgb(164, 207, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 207, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 207, 133);  
box-shadow:4px 4px 4px 4px rgb(164, 207,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2116, 0.3308, 0.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 207, 133) }
```

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

```
.background{ background-color: rgb(164,  
207, 133) }
```

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