

Converting Colors

$Yxy(52.3147, 0.2930, 0.3512)$

Have a look what the booklet for
Yxy(52.3147, 0.2930, 0.3512)
contains.

Yxy(52.1402, 0.2929, 0.3503)	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(52.1402, 0.2929, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	9FC8B8
RGB	159, 200, 184
RGB Percent	62%, 78%, 72%
CMY	0.3766, 0.2156, 0.2785
CMYK	0.21, 0.00, 0.08, 0.22
HSL	157°, 27%, 70%
HSV	157°, 21%, 78%
XYZ	43.5965, 52.1402, 53.1077
YIQ	185.9170, -19.3000, -13.6680

Conversions

Conversions Part 2

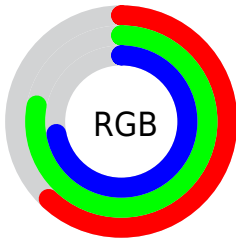
Format	Color
RYB	159, 184, 200
Decimal	10471608
CIELab	77.36, -16.83, 3.54
CIElCh	77, 17.198, 168.120
Yxy	52.1402, 0.2929, 0.3503
Android (android.graphics.Color)	4288661688 (0xFF9FC8B8)
YUV	185.9170, -0.9451, -23.6062
Hunter-Lab	72.2082, -18.5928, 6.9391

Details

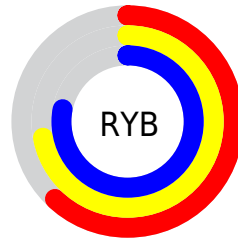
The Yxy color **52.1402, 0.2929, 0.3503** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1572, 0.3378, 0.3087**, and the grayscale version is **49.0637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1074, 0.2963, 0.3445**, and **25.3223, 0.2877, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **49.9426, 0.2840, 0.3623**, and if you desaturate by 10%, it is **54.6911, 0.3024, 0.3394**.

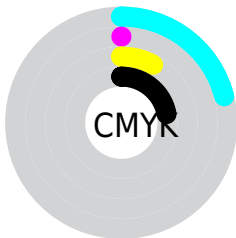
Distribution



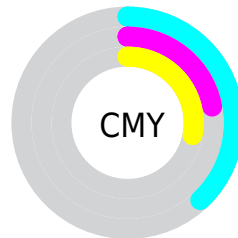
- Red (62%)
- Green (78%)
- Blue (72%)



- Red (62%)
- Yellow (72%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)



- Cyan (38%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1402, 0.2929, 0.3503 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 52.1402, 0.2929, 0.3503 by changing the saturation by 10% instead.


 52.1402, 0.2929,
0.3503

 52.1402, 0.2929,
0.3503

394.9776, 0.3027,
0.3397

 37.1168, 0.2905,
0.3529


 93.3380, 0.2964,
0.3465

 25.2980, 0.2874,
0.3563


 120.2812, 0.2978,
0.3450

 16.2992, 0.2833,
0.3608


151.9664, 0.2989,
0.3438

 9.7361, 0.2777,
0.3670

188.7782, 0.2999,
0.3427

 5.2243, 0.2695,
0.3763

231.1008, 0.3007,
0.3418

 2.3795, 0.2562,
0.3915

279.3186, 0.3015,

 0.8153, 0.2001,

0.3410

0.4481

333.8161, 0.3021,
0.3403

0.0000, 0.0000,
0.0000

52.1402, 0.2929,
0.3503

52.1402, 0.2929,
0.3503

49.9426, 0.2840,
0.3623

54.6911, 0.3024,
0.3394

48.0755, 0.2761,
0.3753

57.6038, 0.3122,
0.3295

46.5237, 0.2694,
0.3893

60.8947, 0.3221,
0.3207

45.2679, 0.2642,
0.4039

64.5772, 0.3321,
0.3129

44.2869, 0.2607,
0.4189

67.9045, 0.3387,
0.3057

■ 43.5564, 0.2593,
0.4341

■ 68.3354, 0.3328,
0.2980

■ 43.0477, 0.2599,
0.4491

■ 68.7860, 0.3270,
0.2905

■ 42.7195, 0.2620,
0.4631

■ 69.2565, 0.3213,
0.2831

■ 69.7472, 0.3158,
0.2759

Harmonies

Analogous

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



52.1402, 0.3154, 0.3657



52.1402, 0.2929, 0.3503



52.1402, 0.2761, 0.3289

Triad

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



52.1402, 0.2929, 0.3503



52.1402, 0.2871, 0.2903



52.1402, 0.3587, 0.3468

Complementary

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



52.1402, 0.2929, 0.3503



40.1572, 0.3378, 0.3087

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.



52.1402, 0.3506, 0.3273



52.1402, 0.2929, 0.3503



52.1402, 0.3086, 0.2956

Square

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



52.1402, 0.2929, 0.3503



52.1402, 0.2728, 0.2947



52.1402, 0.3320, 0.3089



52.1402, 0.3539, 0.3626

Rectangle

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



52.1402, 0.2929, 0.3503



52.1402, 0.2700, 0.3148



52.1402, 0.3320, 0.3089



52.1402, 0.3574, 0.3405

Sweetspot

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



52.1424, 0.2929, 0.3503



96.8341, 0.3067, 0.3348



52.9753, 0.3230, 0.3830



20.6558, 0.3061, 0.3355



0.0000, 0.0000, 0.0000



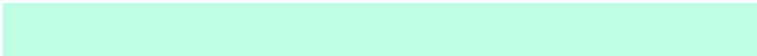
21.4041, 0.3127, 0.3290

Same Dimension

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



52.1424, 0.2929, 0.3503



88.3487, 0.2885, 0.3560



50.9763, 0.2820, 0.3235



11.9947, 0.3035, 0.3382



27.1760, 0.2614, 0.4610



1.3007, 0.2528, 0.4302

Inverse Universe

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



40.1572, 0.3378, 0.3087



63.5954, 0.3454, 0.3036



40.9997, 0.3522, 0.3344



10.7043, 0.3229, 0.3200



8.1744, 0.5395, 0.2746



0.4012, 0.4836, 0.2438

Previews

White Background



This preview shows how the Yxy color 52.1402, 0.2929, 0.3503 looks on a white background.

Color Contrast Check

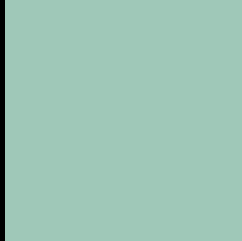
Large Text (above 18pt) WCAG AA × Fail

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 52.1402, 0.2929, 0.3503 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

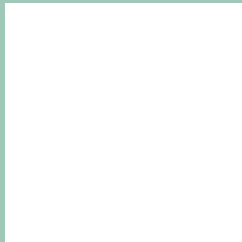
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1402, 0.2929, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 52.1402, 0.2929, 0.3503.

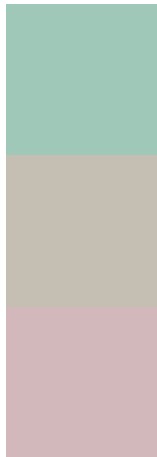


This preview shows how white text looks on a background with the Yxy color 52.1402, 0.2929, 0.3503.

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

52.1402, 0.2929, 0.3503

Protanopia

51.9116, 0.3278, 0.3440

Deuteranopia

51.5705, 0.3325, 0.3255



Tritanopia

52.1258, 0.2778, 0.3086

Trichromacy



Original Color

52.1402, 0.2929, 0.3503

Protanomaly

51.9461, 0.3143, 0.3469

Deuteranomaly

51.4484, 0.3166, 0.3340

Tritanomaly

51.8782, 0.2830, 0.3224

Monochromacy



Original Color

52.1402, 0.2929, 0.3503

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.9945, 0.3051, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1402, 0.2929, 0.3503 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(159, 200, 184)` looks like.

```
.text, #text, p{  
    color:rgb(159, 200, 184)  
}
```

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(159, 200, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 200, 184) }
```

Border

The CSS property to change the border of an element to Yxy 52.1402, 0.2929, 0.3503 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(159, 200, 184) }
```

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

```
.border{ border-color:rgb(159, 200, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 200, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 200, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 200, 184);  
box-shadow:4px 4px 4px 4px rgb(159, 200,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1402, 0.2929, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 200, 184) }
```

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

```
.background{ background-color: rgb(159,  
200, 184) }
```

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