

Converting Colors

$Yxy(52.4325, 0.2733, 0.3315)$

Have a look what the booklet for
Yxy(52.4325, 0.2733, 0.3315)
contains.

Yxy(52.4309, 0.2733, 0.3315)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.4309, 0.2733, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	91CAC8
RGB	145, 202, 200
RGB Percent	57%, 79%, 78%
CMY	0.4314, 0.2078, 0.2156
CMYK	0.28, 0.00, 0.01, 0.21
HSL	178°, 35%, 68%
HSV	178°, 28%, 79%
XYZ	43.2258, 52.4309, 62.5059
YIQ	184.7290, -33.3300, -12.7060

Conversions

Conversions Part 2

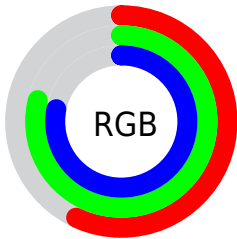
Format	Color
RYB	145, 174, 202
Decimal	9554632
CIELab	77.54, -18.67, -4.95
CIELCh	78, 19.317, 194.842
Yxy	52.4309, 0.2733, 0.3315
Android (android.graphics.Color)	4287744712 (0xFF91CAC8)
YUV	184.7290, 7.5286, -34.8423
Hunter-Lab	72.4092, -20.1576, -0.4945

Details

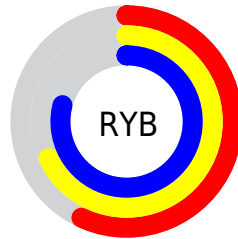
The Yxy color **52.4309, 0.2733, 0.3315** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.9134, 0.3718, 0.3266**, and the grayscale version is **48.3307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **25.5304, 0.2630, 0.3325** is the 20% darker color. If you saturate the color by 10%, you get **50.7257, 0.2615, 0.3325**, and if you desaturate by 10%, it is **54.4668, 0.2864, 0.3305**.

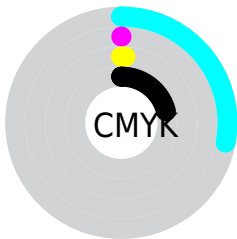
Distribution



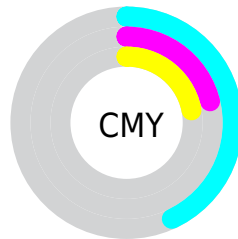
- Red (57%)
- Green (79%)
- Blue (78%)



- Red (57%)
- Yellow (68%)
- Blue (79%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (21%)





- Cyan (43%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4309, 0.2733, 0.3315 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 52.4309, 0.2733, 0.3315 by changing the saturation by 10% instead.

 52.4309, 0.2733,
0.3315


 52.4309, 0.2733,
0.3315


396.0979, 0.2924,
0.3305

 37.3487, 0.2687,
0.3317


 93.7664, 0.2801,
0.3312

 25.4776, 0.2629,
0.3318


 120.7885, 0.2827,
0.3311

 16.4332, 0.2553,
0.3320


152.5593, 0.2849,
0.3310

 9.8312, 0.2450,
0.3321

189.4632, 0.2868,
0.3309

 5.2872, 0.2304,
0.3319

231.8846, 0.2885,
0.3308

 2.4167, 0.2078,
0.3311

280.2079, 0.2900,

 0.8345, 0.1373,

0.3307

334.8175, 0.2913,
0.3306

0.3397

0.0000, 0.0000,
0.0000

52.4309, 0.2733,
0.3315

52.4309, 0.2733,
0.3315

50.7257, 0.2615,
0.3325

54.4668, 0.2864,
0.3305

49.3274, 0.2513,
0.3336

56.8429, 0.3005,
0.3297

48.2194, 0.2429,
0.3347


59.5764, 0.3154,
0.3289

47.3807, 0.2364,
0.3358


62.6814, 0.3308,
0.3281


46.7875, 0.2318,
0.3369


66.1711, 0.3463,
0.3275

 46.4120, 0.2290,
0.3381

 67.8714, 0.3529,
0.3268

 46.2119, 0.2278,
0.3392

 67.9049, 0.3524,
0.3261

 46.1830, 0.2276,
0.3394

 67.9386, 0.3518,
0.3254

 67.9725, 0.3513,
0.3247

Harmonies

Analogous

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



52.4309, 0.2930, 0.3553



52.4309, 0.2733, 0.3315



52.4309, 0.2640, 0.3081

Triad

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



52.4309, 0.2733, 0.3315



52.4309, 0.3052, 0.2906



52.4309, 0.3601, 0.3650

Complementary

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



52.4309, 0.2733, 0.3315



34.9134, 0.3718, 0.3266

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.



52.4309, 0.3640, 0.3465



52.4309, 0.2733, 0.3315



52.4309, 0.3316, 0.3046

Square

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



52.4309, 0.2733, 0.3315



52.4309, 0.2818, 0.2858



52.4309, 0.3534, 0.3246



52.4309, 0.3432, 0.3747

Rectangle

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



52.4309, 0.2733, 0.3315



52.4309, 0.2647, 0.2962



52.4309, 0.3534, 0.3246



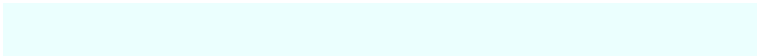
52.4309, 0.3630, 0.3595

Sweetspot

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



52.4330, 0.2733, 0.3315



96.2889, 0.3007, 0.3297



50.5678, 0.3110, 0.4094



20.4700, 0.2985, 0.3298



0.0000, 0.0000, 0.0000



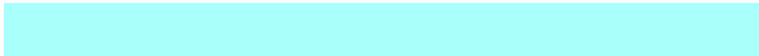
21.4041, 0.3127, 0.3290

Same Dimension

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



52.4330, 0.2733, 0.3315



86.9067, 0.2658, 0.3321



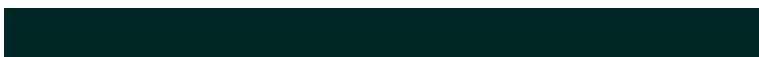
41.4727, 0.2685, 0.2935



12.7201, 0.2988, 0.3298



29.7208, 0.2276, 0.3392



1.5354, 0.2270, 0.3370

Inverse Universe

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



34.9134, 0.3718, 0.3266



52.3275, 0.3906, 0.3261



43.5952, 0.3650, 0.3619



11.2198, 0.3285, 0.3282



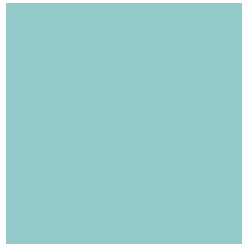
8.0925, 0.6359, 0.3277



0.4197, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 52.4309, 0.2733, 0.3315 looks on a white background.

Color Contrast Check

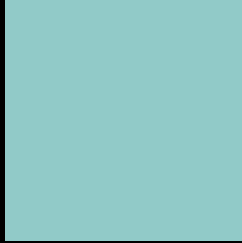
Large Text (above 18pt) WCAG AA × Fail

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 52.4309, 0.2733, 0.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

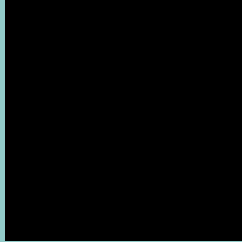
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

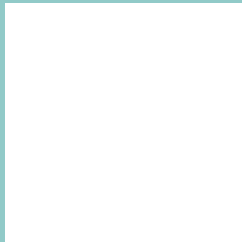
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4309, 0.2733, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 52.4309, 0.2733, 0.3315.

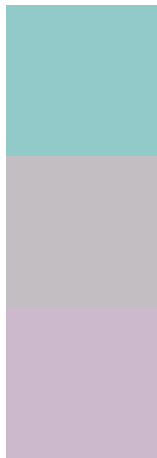


This preview shows how white text looks on a background with the Yxy color 52.4309, 0.2733, 0.3315.

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

52.4309, 0.2733, 0.3315

Protanopia

52.1465, 0.3137, 0.3253

Deuteranopia

51.8471, 0.3146, 0.3075



Tritanopia

52.5623, 0.2654, 0.3082

Trichromacy



Original Color

52.4309, 0.2733, 0.3315

Protanomaly

51.7992, 0.2972, 0.3264

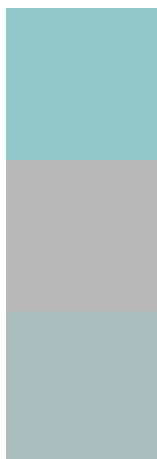
Deuteranomaly

51.5932, 0.2983, 0.3152

Tritanomaly

52.6295, 0.2684, 0.3171

Monochromacy



Original Color

52.4309, 0.2733, 0.3315

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.5254, 0.2968, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4309, 0.2733, 0.3315 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(145, 202, 200)` looks like.

```
.text, #text, p{  
    color:rgb(145, 202, 200)  
}
```

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(145, 202, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 202, 200) }
```

Border

The CSS property to change the border of an element to Yxy 52.4309, 0.2733, 0.3315 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(145, 202, 200) }
```

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

```
.border{ border-color:rgb(145, 202, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 202, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 202, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 202, 200); box-shadow:4px 4px 4px 4px rgb(145, 202, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4309, 0.2733, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 202, 200) }
```

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

```
.background{ background-color: rgb(145,  
202, 200) }
```

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