

Converting Colors

$Y_{xy}(52.9510, 0.2919, 0.3302)$

Have a look what the booklet for
Yxy(52.9510, 0.2919, 0.3302)
contains.

Yxy(52.9654, 0.2921, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.9654, 0.2921, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	AAC6C5
RGB	170, 198, 197
RGB Percent	67%, 78%, 77%
CMY	0.3332, 0.2235, 0.2274
CMYK	0.14, 0.00, 0.00, 0.22
HSL	178°, 20%, 72%
HSV	178°, 14%, 78%
XYZ	46.8540, 52.9654, 60.5846
YIQ	189.5140, -16.3670, -6.2470

Conversions

Conversions Part 2

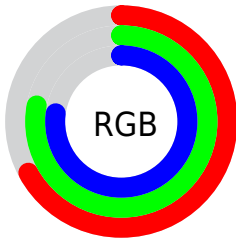
Format	Color
RYB	170, 184, 198
Decimal	11192005
CIELab	77.85, -9.57, -2.68
CIELCh	78, 9.936, 195.654
Yxy	52.9654, 0.2921, 0.3302
Android (android.graphics.Color)	4289382085 (0xFFAAC6C5)
YUV	189.5140, 3.6906, -17.1138
Hunter-Lab	72.7773, -12.4421, 1.5873

Details

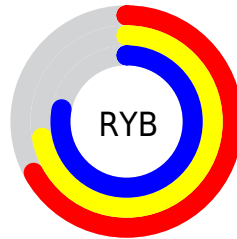
The Yxy color **52.9654, 0.2921, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7036, 0.3377, 0.3278**, and the grayscale version is **51.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8445, 0.2958, 0.3300**, and **25.7116, 0.2864, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **50.8924, 0.2786, 0.3311**, and if you desaturate by 10%, it is **55.3753, 0.3065, 0.3293**.

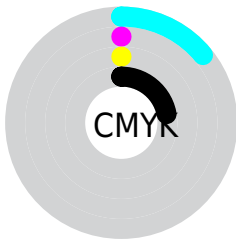
Distribution



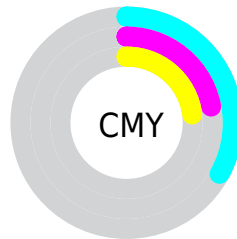
- Red (67%)
- Green (78%)
- Blue (77%)



- Red (67%)
- Yellow (72%)
- Blue (78%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9654, 0.2921, 0.3302 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 52.9654, 0.2921, 0.3302 by changing the saturation by 10% instead.

 52.9654, 0.2921,
0.3302

 52.9654, 0.2921,
0.3302

398.1524, 0.3021,
0.3297

 37.7751, 0.2897,
0.3303


 94.5535, 0.2957,
0.3300

 25.8082, 0.2866,
0.3304


121.7200, 0.2971,
0.3300

 16.6802, 0.2826,
0.3306


153.6475, 0.2982,
0.3299

 10.0068, 0.2771,
0.3307

190.7203, 0.2992,
0.3299

 5.4034, 0.2691,
0.3309

233.3228, 0.3001,
0.3298

 2.4859, 0.2567,
0.3310

281.8394, 0.3009,

 0.8695, 0.2274,

0.3298

0.3336

336.6544, 0.3015,
0.3297

0.0000, 0.0000,
0.0000

52.9654, 0.2921,
0.3302

52.9654, 0.2921,
0.3302

50.8924, 0.2786,
0.3311

55.3753, 0.3065,
0.3293

49.1348, 0.2662,
0.3322

58.1294, 0.3216,
0.3285

47.6790, 0.2554,
0.3332

61.2430, 0.3370,
0.3278

46.5077, 0.2462,
0.3343

64.7285, 0.3526,
0.3272

45.6017, 0.2389,
0.3355

65.8407, 0.3567,
0.3266

■ 44.9397, 0.2335,
0.3366

■ 65.8734, 0.3561,
0.3258

■ 44.4970, 0.2300,
0.3378

■ 65.9064, 0.3556,
0.3251

■ 44.2438, 0.2282,
0.3389

■ 65.9394, 0.3550,
0.3244

■ 44.1502, 0.2277,
0.3396

■ 65.9726, 0.3545,
0.3237

Harmonies

Analogous

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



52.9654, 0.3024, 0.3420



52.9654, 0.2921, 0.3302



52.9654, 0.2873, 0.3184

Triad

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



52.9654, 0.2921, 0.3302



52.9654, 0.3094, 0.3090



52.9654, 0.3368, 0.3480

Complementary

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



52.9654, 0.2921, 0.3302



43.7036, 0.3377, 0.3278

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.



52.9654, 0.3389, 0.3388



52.9654, 0.2921, 0.3302



52.9654, 0.3228, 0.3165

Square

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



52.9654, 0.2921, 0.3302



52.9654, 0.2971, 0.3065



52.9654, 0.3337, 0.3273



52.9654, 0.3282, 0.3523

Rectangle

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



52.9654, 0.2921, 0.3302



52.9654, 0.2877, 0.3121



52.9654, 0.3337, 0.3273



52.9654, 0.3383, 0.3453

Sweetspot

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



52.9676, 0.2921, 0.3302



98.0934, 0.3067, 0.3293



51.9956, 0.3121, 0.3660



20.9217, 0.3055, 0.3294



0.0000, 0.0000, 0.0000



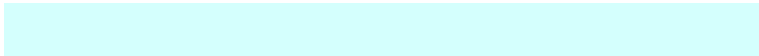
21.4041, 0.3127, 0.3290

Same Dimension

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



52.9676, 0.2921, 0.3302



92.5872, 0.2878, 0.3305



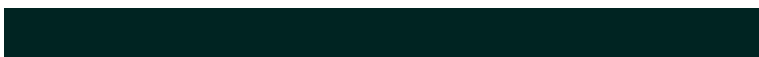
47.4948, 0.2909, 0.3125



12.0609, 0.2989, 0.3298



28.7155, 0.2276, 0.3394



1.3617, 0.2270, 0.3370

Inverse Universe

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



43.7036, 0.3377, 0.3278



72.9852, 0.3443, 0.3275



48.6154, 0.3363, 0.3449



10.6429, 0.3284, 0.3282



7.8202, 0.6358, 0.3276



0.3724, 0.6208, 0.3194

Previews

White Background



This preview shows how the Yxy color 52.9654, 0.2921, 0.3302 looks on a white background.

Color Contrast Check

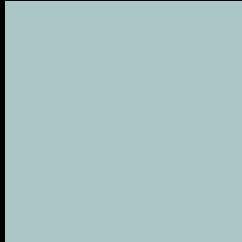
Large Text (above 18pt) WCAG AA × Fail

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 52.9654, 0.2921, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

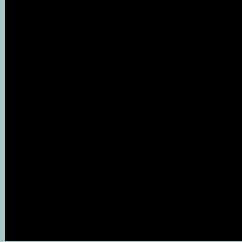
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

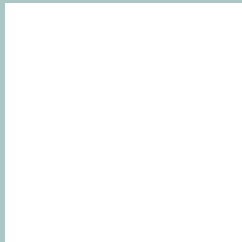
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.9654, 0.2921, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 52.9654, 0.2921, 0.3302.

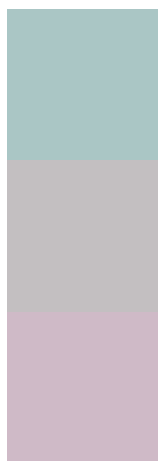


This preview shows how white text looks on a background with the Yxy color 52.9654, 0.2921, 0.3302.

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

52.9654, 0.2921, 0.3302

Protanopia

52.7140, 0.3145, 0.3265

Deuteranopia

52.5067, 0.3201, 0.3136



Tritanopia

53.0672, 0.2848, 0.3102

Trichromacy



Original Color

52.9654, 0.2921, 0.3302

Protanomaly

52.9177, 0.3064, 0.3290

Deuteranomaly

52.3735, 0.3099, 0.3192

Tritanomaly

53.1594, 0.2875, 0.3176

Monochromacy



Original Color

52.9654, 0.2921, 0.3302

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.0575, 0.3048, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9654, 0.2921, 0.3302 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(170, 198, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 197)  
}
```

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(170, 198, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 197) }
```

Border

The CSS property to change the border of an element to Yxy 52.9654, 0.2921, 0.3302 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(170, 198, 197) }
```

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

```
.border{ border-color:rgb(170, 198, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
197) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 52.9654, 0.2921, 0.3302$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 197) }
```

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

```
.background{ background-color: rgb(170,  
198, 197) }
```

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