

Converting Colors

$Y_{xy}(52.6844, 0.2856, 0.3340)$

Have a look what the booklet for
Yxy(52.6844, 0.2856, 0.3340)
contains.

Yxy(52.7677, 0.2857, 0.3342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.7677, 0.2857, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	A0C8C4
RGB	160, 200, 196
RGB Percent	63%, 78%, 77%
CMY	0.3726, 0.2156, 0.2315
CMYK	0.20, 0.00, 0.02, 0.22
HSL	174°, 27%, 71%
HSV	174°, 20%, 78%
XYZ	45.1099, 52.7677, 60.0150
YIQ	187.5840, -22.5560, -9.7240

Conversions

Conversions Part 2

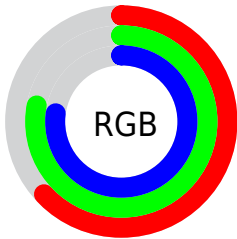
Format	Color
RYB	160, 181, 200
Decimal	10537156
CIELab	77.74, -14.03, -2.37
CIELCh	78, 14.225, 189.572
Yxy	52.7677, 0.2857, 0.3342
Android (android.graphics.Color)	4288727236 (0xFFA0C8C4)
YUV	187.5840, 4.1491, -24.1912
Hunter-Lab	72.6414, -16.2749, 1.8647

Details

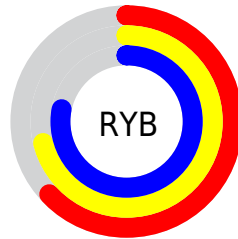
The Yxy color **52.7677, 0.2857, 0.3342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0979, 0.3481, 0.3239**, and the grayscale version is **50.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0589, 0.2899, 0.3310**, and **25.6989, 0.2791, 0.3361** is the 20% darker color. If you saturate the color by 10%, you get **50.7806, 0.2735, 0.3371**, and if you desaturate by 10%, it is **55.0919, 0.2988, 0.3315**.

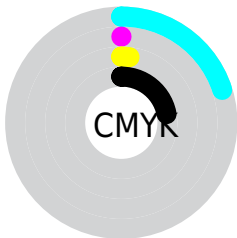
Distribution



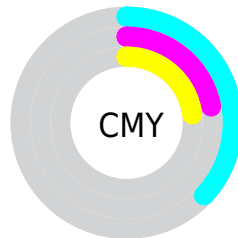
- Red (63%)
- Green (78%)
- Blue (77%)



- Red (63%)
- Yellow (71%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)




- Cyan (37%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7677, 0.2857, 0.3342 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 52.7677, 0.2857, 0.3342 by changing the saturation by 10% instead.


 52.7677, 0.2857,
0.3342


 52.7677, 0.2857,
0.3342


397.3932, 0.2989,
0.3318

 37.6174, 0.2825,
0.3348

 94.2625, 0.2904,
0.3333

 25.6858, 0.2785,
0.3355


 121.3757, 0.2922,
0.3330

 16.5888, 0.2732,
0.3364


153.2453, 0.2937,
0.3327

 9.9417, 0.2660,
0.3376

190.2557, 0.2950,
0.3325

 5.3603, 0.2556,
0.3392

232.7913, 0.2962,
0.3323

 2.4602, 0.2394,
0.3415

281.2365, 0.2972,

 0.8566, 0.1939,

0.3321

0.3521

335.9757, 0.2981,
0.3319

0.0000, 0.0000,
0.0000

52.7677, 0.2857,
0.3342

52.7677, 0.2857,
0.3342

50.7806, 0.2735,
0.3371

55.0919, 0.2988,
0.3315

49.1084, 0.2626,
0.3403

57.7616, 0.3127,
0.3290

47.7361, 0.2533,
0.3435

60.7928, 0.3270,
0.3268

46.6448, 0.2457,
0.3469

64.1986, 0.3414,
0.3248

45.8139, 0.2399,
0.3504

67.0330, 0.3519,
0.3229

■ 45.2194, 0.2361,
0.3538

■ 67.1318, 0.3503,
0.3208

■ 44.8332, 0.2341,
0.3573

■ 67.2318, 0.3487,
0.3188

■ 44.6021, 0.2335,
0.3607

■ 67.3331, 0.3471,
0.3167

■ 67.4357, 0.3455,
0.3147

Harmonies

Analogous

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



52.7677, 0.3015, 0.3508



52.7677, 0.2857, 0.3342



52.7677, 0.2772, 0.3167

Triad

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



52.7677, 0.2857, 0.3342



52.7677, 0.3040, 0.2993



52.7677, 0.3488, 0.3537

Complementary

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



52.7677, 0.2857, 0.3342



40.0979, 0.3481, 0.3239

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.



52.7677, 0.3496, 0.3395



52.7677, 0.2857, 0.3342



52.7677, 0.3234, 0.3086

Square

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



52.7677, 0.2857, 0.3342



52.7677, 0.2875, 0.2972



52.7677, 0.3402, 0.3231



52.7677, 0.3380, 0.3619

Rectangle

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



52.7677, 0.2857, 0.3342



52.7677, 0.2765, 0.3071



52.7677, 0.3402, 0.3231



52.7677, 0.3502, 0.3495

Sweetspot

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



52.7699, 0.2857, 0.3342



97.1138, 0.3042, 0.3305



51.8134, 0.3138, 0.3830



20.7220, 0.3033, 0.3307



0.0000, 0.0000, 0.0000



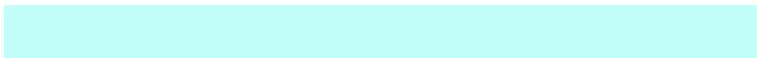
21.4041, 0.3127, 0.3290

Same Dimension

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



52.7699, 0.2857, 0.3342



89.7915, 0.2803, 0.3354



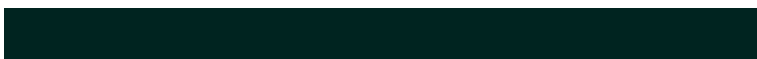
46.2014, 0.2818, 0.3085



12.0484, 0.2997, 0.3313



28.3637, 0.2334, 0.3602



1.3485, 0.2314, 0.3530

Inverse Universe

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



40.0979, 0.3481, 0.3239



63.9236, 0.3580, 0.3227



45.6059, 0.3483, 0.3486



10.6540, 0.3274, 0.3267



7.8465, 0.6270, 0.3228



0.3776, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 52.7677, 0.2857, 0.3342 looks on a white background.

Color Contrast Check

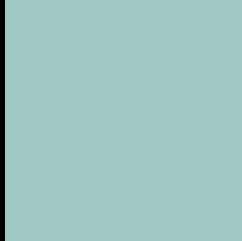
Large Text (above 18pt) WCAG AA × Fail

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 52.7677, 0.2857, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

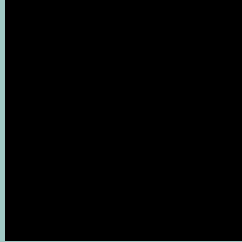
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

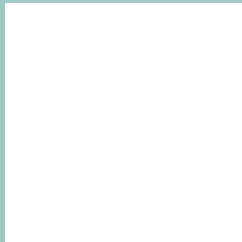
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7677, 0.2857, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 52.7677, 0.2857, 0.3342.

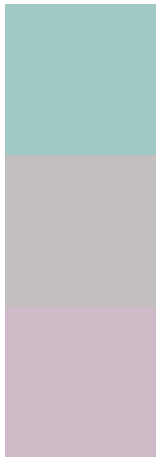


This preview shows how white text looks on a background with the Yxy color 52.7677, 0.2857, 0.3342.

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

52.7677, 0.2857, 0.3342

Protanopia

52.6253, 0.3160, 0.3290

Deuteranopia

52.5067, 0.3201, 0.3136



Tritanopia

52.5231, 0.2766, 0.3086

Trichromacy



Original Color

52.7677, 0.2857, 0.3342

Protanomaly

52.3789, 0.3039, 0.3302

Deuteranomaly

52.2860, 0.3067, 0.3203

Tritanomaly

52.5745, 0.2798, 0.3173

Monochromacy



Original Color

52.7677, 0.2857, 0.3342

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.9258, 0.3023, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7677, 0.2857, 0.3342 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(160, 200, 196)` looks like.

```
.text, #text, p{  
    color:rgb(160, 200, 196)  
}
```

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(160, 200, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 200, 196) }
```

Border

The CSS property to change the border of an element to Yxy 52.7677, 0.2857, 0.3342 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(160, 200, 196) }
```

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

```
.border{ border-color:rgb(160, 200, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 200, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 200, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 200, 196);  
box-shadow:4px 4px 4px 4px rgb(160, 200,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7677, 0.2857, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 200, 196) }
```

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

```
.background{ background-color: rgb(160,  
200, 196) }
```

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