

Converting Colors

$Y_{xy}(52.7441, 0.2815, 0.3309)$

Have a look what the booklet for
Yxy(52.7441, 0.2815, 0.3309)
contains.

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Color

Yxy(52.6002, 0.2817, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	9DC8C7
RGB	157, 200, 199
RGB Percent	62%, 78%, 78%
CMY	0.3841, 0.2157, 0.2196
CMYK	0.21, 0.00, 0.00, 0.22
HSL	179°, 28%, 70%
HSV	179°, 21%, 78%
XYZ	44.8742, 52.6002, 61.8236
YIQ	187.0290, -25.3070, -9.4270

Conversions

Conversions Part 2

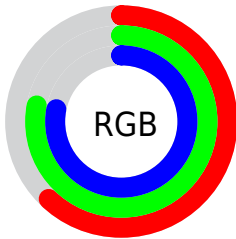
Format	Color
RYB	157, 179, 200
Decimal	10340551
CIELab	77.64, -14.28, -4.17
CIELCh	78, 14.875, 196.271
Yxy	52.6002, 0.2817, 0.3302
Android (android.graphics.Color)	4288530631 (0xFF9DC8C7)
YUV	187.0290, 5.9017, -26.3354
Hunter-Lab	72.5260, -16.4766, 0.2274

Details

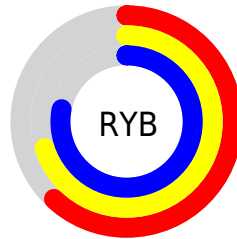
The Yxy color **52.6002, 0.2817, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8772, 0.3547, 0.3278**, and the grayscale version is **49.6937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **25.6054, 0.2740, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **50.7306, 0.2689, 0.3308**, and if you desaturate by 10%, it is **54.8035, 0.2957, 0.3296**.

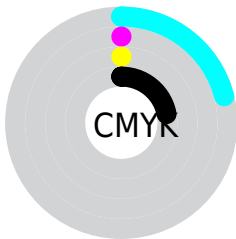
Distribution



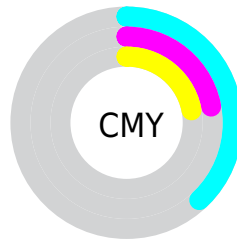
- Red (62%)
- Green (78%)
- Blue (78%)



- Red (62%)
- Yellow (70%)
- Blue (78%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6002, 0.2817, 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 52.6002, 0.2817, 0.3302 by changing the saturation by 10% instead.

 52.6002, 0.2817,
0.3302

 52.6002, 0.2817,
0.3302


396.7494, 0.2968,
0.3298

 37.4837, 0.2781,
0.3303


 94.0158, 0.2871,
0.3301

 25.5822, 0.2735,
0.3303


 121.0837, 0.2891,
0.3300

 16.5114, 0.2674,
0.3303

152.9042, 0.2909,
0.3300

 9.8867, 0.2593,
0.3303

189.8617, 0.2924,
0.3299

 5.3239, 0.2475,
0.3300

232.3405, 0.2937,
0.3299

 2.4385, 0.2293,
0.3292

280.7252, 0.2949,

 0.8456, 0.1796,

0.3298

0.3336

335.4000, 0.2959,
0.3298

0.0000, 0.0000,
0.0000

52.6002, 0.2817,
0.3302

52.6002, 0.2817,
0.3302

50.7306, 0.2689,
0.3308

54.8035, 0.2957,
0.3296

49.1722, 0.2575,
0.3315

57.3488, 0.3105,
0.3291

47.9099, 0.2478,
0.3322

60.2525, 0.3259,
0.3286

46.9245, 0.2399,
0.3329

63.5276, 0.3415,
0.3282

46.1950, 0.2339,
0.3337

66.7975, 0.3556,
0.3278

■ 45.6969, 0.2299,
0.3344

■ 66.8192, 0.3553,
0.3273

■ 45.4014, 0.2276,
0.3352

■ 66.8410, 0.3549,
0.3268

■ 45.2639, 0.2266,
0.3358

■ 66.8629, 0.3545,
0.3264

■ 66.8848, 0.3542,
0.3259

Harmonies

Analogous

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



52.6002, 0.2968, 0.3483



52.6002, 0.2817, 0.3302



52.6002, 0.2748, 0.3124

Triad

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



52.6002, 0.2817, 0.3302



52.6002, 0.3080, 0.2995



52.6002, 0.3488, 0.3575

Complementary

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



52.6002, 0.2817, 0.3302



38.8772, 0.3547, 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.



52.6002, 0.3522, 0.3436



52.6002, 0.2817, 0.3302



52.6002, 0.3282, 0.3107

Square

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



52.6002, 0.2817, 0.3302



52.6002, 0.2896, 0.2955



52.6002, 0.3446, 0.3266



52.6002, 0.3355, 0.3642

Rectangle

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



52.6002, 0.2817, 0.3302



52.6002, 0.2756, 0.3033



52.6002, 0.3446, 0.3266



52.6002, 0.3511, 0.3534

Sweetspot

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



52.6024, 0.2817, 0.3302



97.1901, 0.3036, 0.3293



51.0593, 0.3110, 0.3880



20.7402, 0.3026, 0.3294



0.0000, 0.0000, 0.0000



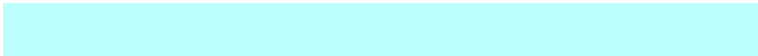
21.4041, 0.3127, 0.3290

Same Dimension

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



52.6024, 0.2817, 0.3302



89.4226, 0.2753, 0.3305



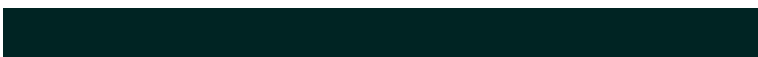
43.9651, 0.2792, 0.3020



12.0632, 0.2987, 0.3295



28.7842, 0.2266, 0.3357



1.3643, 0.2262, 0.3341

Inverse Universe

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



38.8772, 0.3547, 0.3278



61.2538, 0.3674, 0.3276



46.1933, 0.3504, 0.3546



10.6408, 0.3286, 0.3285



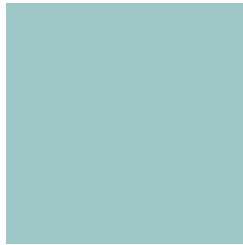
7.8159, 0.6373, 0.3284



0.3715, 0.6273, 0.3229

Previews

White Background



This preview shows how the Yxy color 52.6002, 0.2817, 0.3302 looks on a white background.

Color Contrast Check

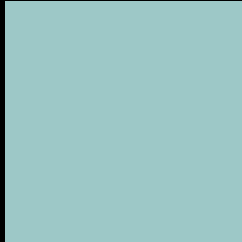
Large Text (above 18pt) WCAG AA × Fail

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 52.6002, 0.2817, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

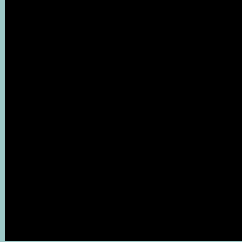
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

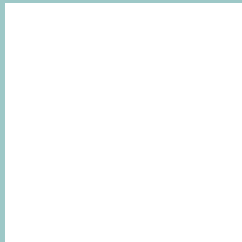
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.6002, 0.2817, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 52.6002, 0.2817, 0.3302.



This preview shows how white text looks on a background with the Yxy color 52.6002, 0.2817, 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

52.6002, 0.2817, 0.3302

Protanopia

52.1465, 0.3137, 0.3253

Deuteranopia

52.3612, 0.3161, 0.3100



Tritanopia

52.7168, 0.2741, 0.3085

Trichromacy



Original Color

52.6002, 0.2817, 0.3302

Protanomaly

52.3475, 0.3017, 0.3277

Deuteranomaly

52.1700, 0.3029, 0.3166

Tritanomaly

52.8212, 0.2766, 0.3160

Monochromacy



Original Color

52.6002, 0.2817, 0.3302

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.6910, 0.3007, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6002, 0.2817, 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(157, 200, 199)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 199)  
}
```

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(157, 200, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 199) }
```

Border

The CSS property to change the border of an element to Yxy 52.6002, 0.2817, 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(157, 200, 199) }
```

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

```
.border{ border-color:rgb(157, 200, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 200, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 200, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 200, 199);  
box-shadow:4px 4px 4px 4px rgb(157, 200,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6002, 0.2817, 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(157, 200, 199) }
```

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

```
.background{ background-color: rgb(157,  
200, 199) }
```

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](#).

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