

Converting Colors

$Yxy(67.5340, 0.2799, 0.3521)$

Have a look what the booklet for
Yxy(67.5340, 0.2799, 0.3521)
contains.

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Color

Yxy(67.5638, 0.2802, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	A0E4D1
RGB	160, 228, 209
RGB Percent	63%, 89%, 82%
CMY	0.3724, 0.1059, 0.1805
CMYK	0.30, 0.00, 0.08, 0.11
HSL	163°, 56%, 76%
HSV	163°, 30%, 89%
XYZ	53.7518, 67.5638, 70.5180
YIQ	205.5020, -34.4290, -20.3250

Conversions

Conversions Part 2

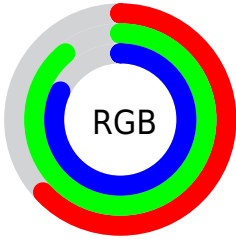
Format	Color
RYB	160, 200, 228
Decimal	10544337
CIELab	85.79, -25.26, 2.46
CIELCh	86, 25.380, 174.443
Yxy	67.5638, 0.2802, 0.3522
Android (android.graphics.Color)	4288734417 (0xFFA0E4D1)
YUV	205.5020, 1.7245, -39.9053
Hunter-Lab	82.1972, -27.1174, 6.6724

Details

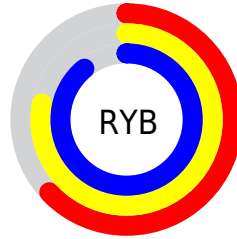
The Yxy color **67.5638, 0.2802, 0.3522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9033, 0.3606, 0.3072**, and the grayscale version is **61.3967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **34.9358, 0.2718, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **65.1180, 0.2710, 0.3614**, and if you desaturate by 10%, it is **70.4587, 0.2905, 0.3437**.

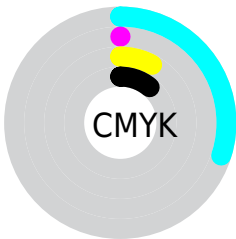
Distribution



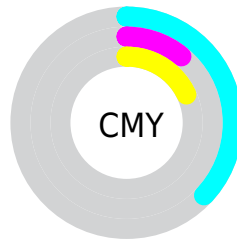
- Red (63%)
- Green (89%)
- Blue (82%)



- Red (63%)
- Yellow (78%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)





- Cyan (37%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5638, 0.2802, 0.3522 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 67.5638, 0.2802, 0.3522 by changing the saturation by 10% instead.

 67.5638, 0.2802,
0.3522


 67.5638, 0.2802,
0.3522


451.9490, 0.2955,
0.3412

 49.5429, 0.2767,
0.3548


 115.7279, 0.2855,
0.3483

 35.0504, 0.2722,
0.3580


 146.6400, 0.2876,
0.3468

 23.7017, 0.2666,
0.3621

182.6179, 0.2894,
0.3456

 15.1125, 0.2591,
0.3676

224.0460, 0.2909,
0.3445

 8.8984, 0.2488,
0.3753

271.3088, 0.2923,
0.3435

 4.6749, 0.2337,
0.3868

324.7906, 0.2935,

 2.0578, 0.2093,

0.3427

0.4058

384.8759, 0.2945,
0.3419

0.6408, 0.0000,
0.5492

0.0000, 0.0000,
0.0000

67.5638, 0.2802,
0.3522

67.5638, 0.2802,
0.3522

65.1180, 0.2710,
0.3614

70.4587, 0.2905,
0.3437

63.0893, 0.2631,
0.3711


73.8163, 0.3015,
0.3359

61.4544, 0.2569,
0.3813


77.6599, 0.3129,
0.3289


60.1845, 0.2525,
0.3918


82.0087, 0.3246,
0.3226

 59.2465, 0.2501,
0.4025


 83.0907, 0.3231,
0.3164

 58.6011, 0.2497,
0.4131

 83.4784, 0.3189,
0.3102

 58.1821, 0.2510,
0.4236

 83.8796, 0.3148,
0.3042

 58.1750, 0.2511,
0.4238

 83.9671, 0.3139,
0.3029

Harmonies

Analogous

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



67.5638, 0.3093, 0.3761



67.5638, 0.2802, 0.3522



67.5638, 0.2603, 0.3221

Triad

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



67.5638, 0.2802, 0.3522



67.5638, 0.2836, 0.2779



67.5638, 0.3752, 0.3574

Complementary

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



67.5638, 0.2802, 0.3522



44.9033, 0.3606, 0.3072

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.



67.5638, 0.3679, 0.3318



67.5638, 0.2802, 0.3522



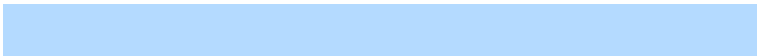
67.5638, 0.3137, 0.2875

Square

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



67.5638, 0.2802, 0.3522



67.5638, 0.2622, 0.2805



67.5638, 0.3449, 0.3068



67.5638, 0.3648, 0.3774

Rectangle

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



67.5638, 0.2802, 0.3522



67.5638, 0.2544, 0.3038



67.5638, 0.3449, 0.3068



67.5638, 0.3748, 0.3492

Sweetspot

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



67.5666, 0.2802, 0.3522



95.4975, 0.3023, 0.3354



67.6445, 0.3218, 0.4126



20.2951, 0.3007, 0.3364



0.0000, 0.0000, 0.0000



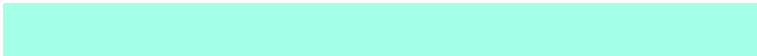
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5666, 0.2802, 0.3522



85.0025, 0.2742, 0.3580



60.8047, 0.2678, 0.3109



16.2640, 0.3019, 0.3357



33.6134, 0.2506, 0.4222



2.4995, 0.2463, 0.4068

Inverse Universe

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



44.9033, 0.3606, 0.3072



51.1946, 0.3752, 0.3023



49.5992, 0.3744, 0.3463



14.4339, 0.3249, 0.3224



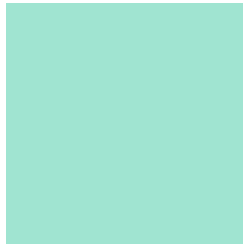
9.7540, 0.5827, 0.2983



0.7362, 0.5410, 0.2754

Previews

White Background



This preview shows how the Yxy color 67.5638, 0.2802, 0.3522 looks on a white background.

Color Contrast Check

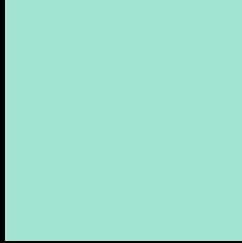
Large Text (above 18pt) WCAG AA × Fail

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 67.5638, 0.2802, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

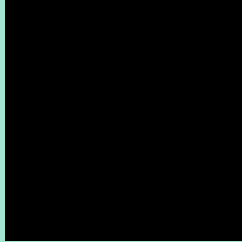
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

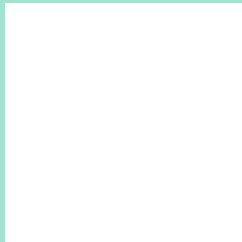
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5638, 0.2802, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 67.5638, 0.2802, 0.3522.

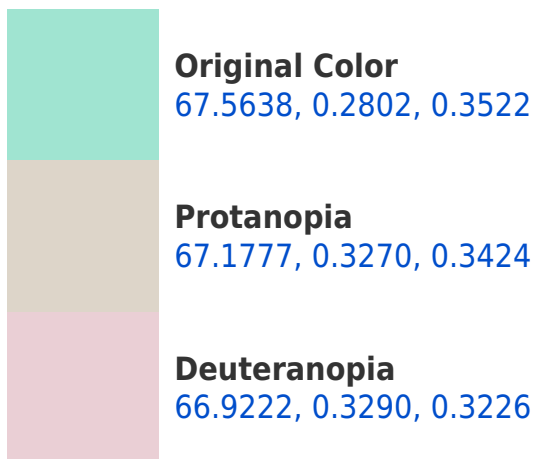


This preview shows how white text looks on a background with the Yxy color 67.5638, 0.2802, 0.3522.

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





Tritanopia

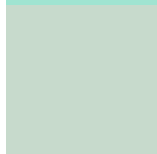
67.3417, 0.2661, 0.3079

Trichromacy



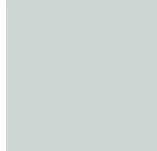
Original Color

67.5638, 0.2802, 0.3522



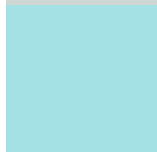
Protanomaly

66.6446, 0.3084, 0.3453



Deuteranomaly

66.6197, 0.3089, 0.3324



Tritanomaly

67.4001, 0.2711, 0.3241

Monochromacy



Original Color

67.5638, 0.2802, 0.3522



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.4169, 0.2994, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5638, 0.2802, 0.3522 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, 228, 209)` looks like.

```
.text, #text, p{  
    color:rgb(160, 228, 209)  
}
```

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, 228, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 228, 209) }
```

Border

The CSS property to change the border of an element to Yxy 67.5638, 0.2802, 0.3522 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, 228, 209) }
```

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

```
.border{ border-color:rgb(160, 228, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 228, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 228, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 228, 209);  
box-shadow:4px 4px 4px 4px rgb(160, 228,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5638, 0.2802, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 228, 209) }
```

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

```
.background{ background-color: rgb(160,  
228, 209) }
```

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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