

Converting Colors

$Y_{xy}(56.2679, 0.2852, 0.3242)$

Have a look what the booklet for
Yxy(56.2679, 0.2852, 0.3242)
contains.

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Color

Yxy(56.2858, 0.2852, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	AACCD0
RGB	170, 204, 208
RGB Percent	67%, 80%, 82%
CMY	0.3332, 0.2000, 0.1843
CMYK	0.18, 0.02, 0.00, 0.18
HSL	186°, 29%, 74%
HSV	186°, 18%, 82%
XYZ	49.5607, 56.2858, 67.9287
YIQ	194.2900, -21.5480, -5.9640

Conversions

Conversions Part 2

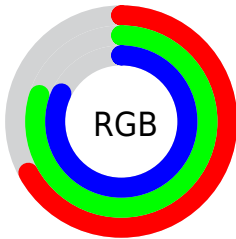
Format	Color
RYB	170, 188, 208
Decimal	11193552
CIELab	79.78, -10.39, -5.76
CIELCh	80, 11.878, 209.023
Yxy	56.2858, 0.2852, 0.3239
Android (android.graphics.Color)	4289383632 (0xFFAACCD0)
YUV	194.2900, 6.7590, -21.3023
Hunter-Lab	75.0239, -13.3748, -1.1661

Details

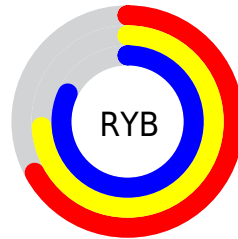
The Yxy color **56.2858, 0.2852, 0.3239** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6016, 0.3471, 0.3340**, and the grayscale version is **54.1026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **27.9277, 0.2777, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **53.1136, 0.2712, 0.3208**, and if you desaturate by 10%, it is **59.8442, 0.3001, 0.3268**.

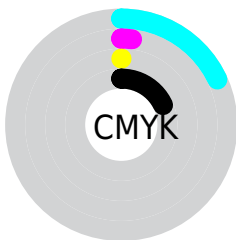
Distribution



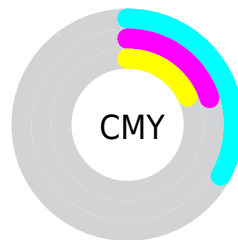
- Red (67%)
- Green (80%)
- Blue (82%)



- Red (67%)
- Yellow (74%)
- Blue (82%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)




- Cyan (33%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2858, 0.2852, 0.3239 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 56.2858, 0.2852, 0.3239 by changing the saturation by 10% instead.

 56.2858, 0.2852,
0.3239

 56.2858, 0.2852,
0.3239


410.7677, 0.2984,
0.3265

 40.4321, 0.2821,
0.3232


 99.4223, 0.2899,
0.3249

 27.8756, 0.2781,
0.3224


127.4740, 0.2917,
0.3252

 18.2319, 0.2730,
0.3212


160.3603, 0.2932,
0.3255

 11.1166, 0.2661,
0.3196

198.4659, 0.2945,
0.3258

 6.1453, 0.2563,
0.3171

242.1750, 0.2957,
0.3260

 2.9337, 0.2414,
0.3130

291.8721, 0.2967,

 1.0972, 0.2156,

0.3262

0.3052

347.9415, 0.2976,
0.3264

0.0000, 0.0000,
0.0000

56.2858, 0.2852,
0.3239

56.2858, 0.2852,
0.3239

53.1136, 0.2712,
0.3208

59.8442, 0.3001,
0.3268

50.3032, 0.2582,
0.3175

63.7979, 0.3154,
0.3294

47.8385, 0.2467,
0.3140

68.1644, 0.3310,
0.3318

45.6990, 0.2368,
0.3104

72.9580, 0.3466,
0.3340

43.8622, 0.2287,
0.3067

74.4019, 0.3476,
0.3362

■ 42.3023, 0.2226,
0.3031

■ 75.5274, 0.3472,
0.3384

■ 40.9894, 0.2183,
0.2994

■ 76.6679, 0.3468,
0.3406

■ 39.8784, 0.2157,
0.2958

■ 77.8236, 0.3464,
0.3428

■ 39.6933, 0.2153,
0.2952

■ 78.9944, 0.3460,
0.3450

Harmonies

Analogous

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



56.2858, 0.2946, 0.3383



56.2858, 0.2852, 0.3239



56.2858, 0.2830, 0.3113

Triad

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



56.2858, 0.2852, 0.3239



56.2858, 0.3159, 0.3089



56.2858, 0.3373, 0.3543

Complementary

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



56.2858, 0.2852, 0.3239



46.6016, 0.3471, 0.3340

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.



56.2858, 0.3434, 0.3457



56.2858, 0.2852, 0.3239



56.2858, 0.3309, 0.3197

Square

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



56.2858, 0.2852, 0.3239



56.2858, 0.3004, 0.3032



56.2858, 0.3410, 0.3330



56.2858, 0.3246, 0.3562

Rectangle

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



56.2858, 0.2852, 0.3239



56.2858, 0.2858, 0.3057



56.2858, 0.3410, 0.3330



56.2858, 0.3402, 0.3521

Sweetspot

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



56.2881, 0.2852, 0.3239



96.8059, 0.3049, 0.3277



56.7130, 0.3078, 0.3733



20.6272, 0.3038, 0.3275



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.



56.2881, 0.2852, 0.3239



87.1485, 0.2795, 0.3227



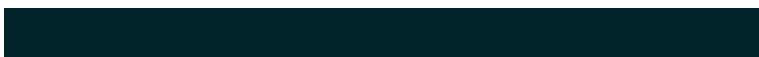
47.8944, 0.2839, 0.2997



13.1850, 0.2983, 0.3265



24.8226, 0.2155, 0.2957



1.4505, 0.2173, 0.3023

Inverse Universe

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



46.5315, 0.3181, 0.2886



68.9053, 0.3195, 0.2795



54.3725, 0.3431, 0.3566



11.9867, 0.3154, 0.3085



10.5771, 0.3492, 0.1697



0.5977, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 56.2858, 0.2852, 0.3239 looks on a white background.

Color Contrast Check

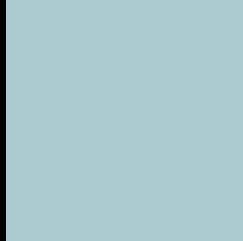
Large Text (above 18pt) WCAG AA × Fail

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 56.2858, 0.2852, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

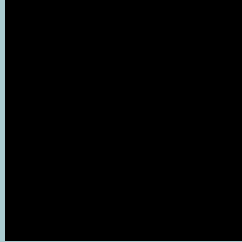
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

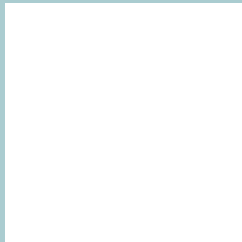
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2858, 0.2852, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 56.2858, 0.2852, 0.3239.



This preview shows how white text looks on a background with the Yxy color 56.2858, 0.2852, 0.3239.

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

56.2858, 0.2852, 0.3239

Protanopia

55.9338, 0.3100, 0.3206

Deuteranopia

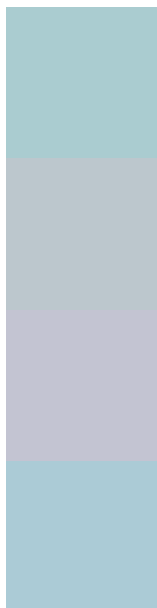
56.1041, 0.3129, 0.3070



Tritanopia

56.0737, 0.2801, 0.3092

Trichromacy



Original Color

56.2858, 0.2852, 0.3239

Protanomaly

55.9460, 0.3000, 0.3217

Deuteranomaly

55.7351, 0.3018, 0.3122

Tritanomaly

56.2248, 0.2820, 0.3153

Monochromacy



Original Color

56.2858, 0.2852, 0.3239

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.8260, 0.3019, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2858, 0.2852, 0.3239 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, 204, 208)` looks like.

```
.text, #text, p{  
    color:rgb(170, 204, 208)  
}
```

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, 204, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 204, 208) }
```

Border

The CSS property to change the border of an element to Yxy 56.2858, 0.2852, 0.3239 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, 204, 208) }
```

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

```
.border{ border-color:rgb(170, 204, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 204, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 204, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 204, 208);  
box-shadow:4px 4px 4px 4px rgb(170, 204,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2858, 0.2852, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 204, 208) }
```

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

```
.background{ background-color: rgb(170,  
204, 208) }
```

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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