

Converting Colors

$Y_{xy}(56.5900, 0.2732, 0.3315)$

Have a look what the booklet for
Yxy(56.5900, 0.2732, 0.3315)
contains.

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Color

Yxy(56.5900, 0.2732, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	96D1CF
RGB	150, 209, 207
RGB Percent	59%, 82%, 81%
CMY	0.4118, 0.1804, 0.1883
CMYK	0.28, 0.00, 0.01, 0.18
HSL	178°, 39%, 70%
HSV	178°, 28%, 82%
XYZ	46.6377, 56.5900, 67.4812
YIQ	191.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

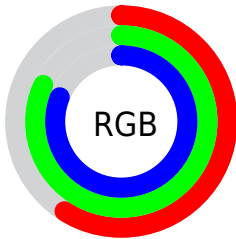
Format	Color
R_{YB}	150, 180, 209
Decimal	9884111
CIE _{Lab}	79.95, -19.20, -5.09
CIE _{LCh}	80, 19.865, 194.846
Yxy	56.5900, 0.2732, 0.3315
Android (android.graphics.Color)	4288074191 (0xFF96D1CF)
YUV	191.1310, 7.8234, -36.0719
Hunter-Lab	75.2263, -20.9824, -0.5272

Details

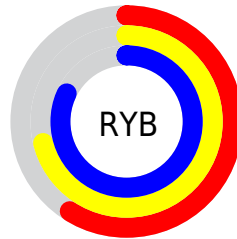
The Yxy color **56.5900, 0.2732, 0.3315** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.6363, 0.3721, 0.3266**, and the grayscale version is **52.1491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **27.9525, 0.2630, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **54.7481, 0.2614, 0.3325**, and if you desaturate by 10%, it is **58.7902, 0.2863, 0.3306**.

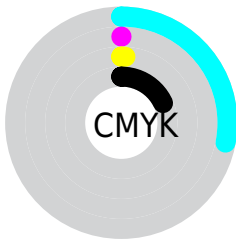
Distribution



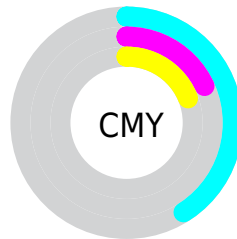
- Red (59%)
- Green (82%)
- Blue (81%)



- Red (59%)
- Yellow (71%)
- Blue (82%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)





- Cyan (41%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5900, 0.2732, 0.3315 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 56.5900, 0.2732, 0.3315 by changing the saturation by 10% instead.


 56.5900, 0.2732,
0.3315


 56.5900, 0.2732,
0.3315


411.9112, 0.2921,
0.3305

 40.6762, 0.2687,
0.3317


 99.8667, 0.2799,
0.3312

 28.0661, 0.2631,
0.3318


 127.9983, 0.2825,
0.3311

 18.3755, 0.2558,
0.3320


160.9714, 0.2847,
0.3310

 11.2199, 0.2461,
0.3321

199.1702, 0.2866,
0.3309

 6.2150, 0.2324,
0.3320

242.9792, 0.2882,
0.3308

 2.9762, 0.2117,
0.3313

292.7828, 0.2897,

 1.1193, 0.1710,

0.3307

0.3310

348.9653, 0.2910,
0.3306

0.0000, 0.0000,
0.0000

56.5900, 0.2732,
0.3315

56.5900, 0.2732,
0.3315

54.7481, 0.2614,
0.3325

58.7902, 0.2863,
0.3306

53.2389, 0.2512,
0.3336

61.3594, 0.3005,
0.3297

52.0442, 0.2428,
0.3347


64.3160, 0.3154,
0.3289

51.1411, 0.2363,
0.3358


67.6753, 0.3308,
0.3281


50.5038, 0.2317,
0.3369


71.4518, 0.3463,
0.3275

 50.1019, 0.2290,
0.3381

 71.5823, 0.3462,
0.3268

 49.8901, 0.2278,
0.3392

 71.6185, 0.3457,
0.3260

 49.8602, 0.2276,
0.3394

 71.6549, 0.3451,
0.3253

 71.6914, 0.3446,
0.3246

Harmonies

Analogous

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



56.5900, 0.2930, 0.3554



56.5900, 0.2732, 0.3315



56.5900, 0.2639, 0.3081

Triad

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



56.5900, 0.2732, 0.3315



56.5900, 0.3052, 0.2906



56.5900, 0.3602, 0.3651

Complementary

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



56.5900, 0.2732, 0.3315



37.6363, 0.3721, 0.3266

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.



56.5900, 0.3642, 0.3465



56.5900, 0.2732, 0.3315



56.5900, 0.3316, 0.3046

Square

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



56.5900, 0.2732, 0.3315



56.5900, 0.2817, 0.2857



56.5900, 0.3535, 0.3246



56.5900, 0.3433, 0.3748

Rectangle

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



56.5900, 0.2732, 0.3315



56.5900, 0.2645, 0.2961



56.5900, 0.3535, 0.3246



56.5900, 0.3632, 0.3596

Sweetspot

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



56.5923, 0.2732, 0.3315



96.2890, 0.3007, 0.3297



54.5738, 0.3110, 0.4097



20.4700, 0.2985, 0.3298



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.



56.5923, 0.2732, 0.3315



86.9072, 0.2658, 0.3321



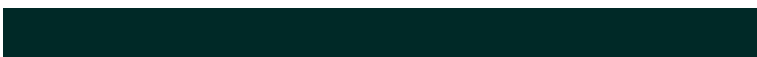
44.7294, 0.2684, 0.2934



13.3998, 0.2988, 0.3298



30.7430, 0.2276, 0.3392



1.7212, 0.2270, 0.3371

Inverse Universe

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



37.6363, 0.3721, 0.3266



52.3272, 0.3906, 0.3261



47.0260, 0.3652, 0.3620



11.8147, 0.3285, 0.3282



8.3705, 0.6360, 0.3277



0.4704, 0.6230, 0.3205

Previews

White Background



This preview shows how the Yxy color 56.5900, 0.2732, 0.3315 looks on a white background.

Color Contrast Check

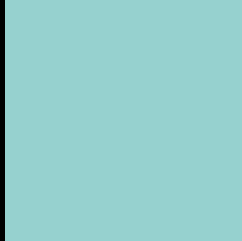
Large Text (above 18pt) WCAG AA × Fail

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 56.5900, 0.2732, 0.3315 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

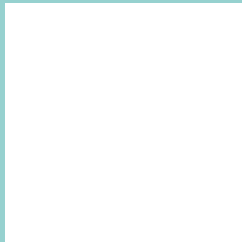
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5900, 0.2732, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 56.5900, 0.2732, 0.3315.

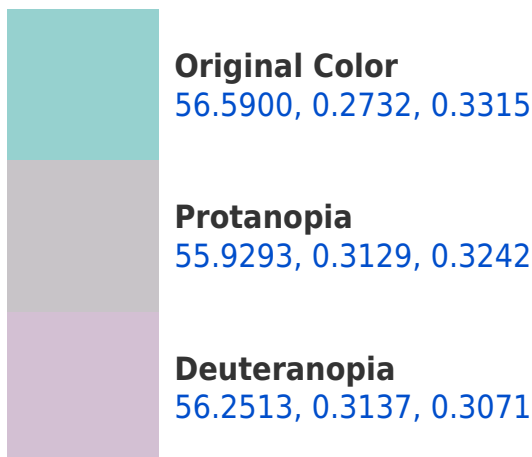


This preview shows how white text looks on a background with the Yxy color 56.5900, 0.2732, 0.3315.

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

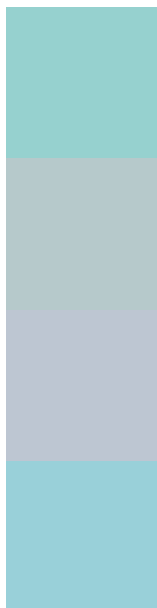




Tritanopia

56.8234, 0.2661, 0.3089

Trichromacy



Original Color

56.5900, 0.2732, 0.3315

Protanomaly

56.0302, 0.2969, 0.3265

Deuteranomaly

55.8601, 0.2973, 0.3144

Tritanomaly

56.8938, 0.2691, 0.3175

Monochromacy



Original Color

56.5900, 0.2732, 0.3315

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.6495, 0.2965, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5900, 0.2732, 0.3315 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(150, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 209, 207)  
}
```

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(150, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 209, 207) }
```

Border

The CSS property to change the border of an element to Yxy 56.5900, 0.2732, 0.3315 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(150, 209, 207) }
```

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

```
.border{ border-color:rgb(150, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 209,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5900, 0.2732, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 209, 207) }
```

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

```
.background{ background-color: rgb(150,  
209, 207) }
```

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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