

Converting Colors

$Y_{xy}(56.3890, 0.2749, 0.3302)$

Have a look what the booklet for
Yxy(56.3890, 0.2749, 0.3302)
contains.

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Color

Yxy(56.3890, 0.2749, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	99D0CF
RGB	153, 208, 207
RGB Percent	60%, 82%, 81%
CMY	0.4003, 0.1842, 0.1883
CMYK	0.26, 0.00, 0.00, 0.18
HSL	179°, 37%, 71%
HSV	179°, 26%, 82%
XYZ	46.9453, 56.3890, 67.4380
YIQ	191.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

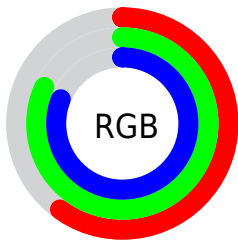
Format	Color
RYB	153, 181, 208
Decimal	10080463
CIELab	79.83, -17.85, -5.25
CIELCh	80, 18.602, 196.392
Yxy	56.3890, 0.2749, 0.3302
Android (android.graphics.Color)	4288270543 (0xFF99D0CF)
YUV	191.4410, 7.6706, -33.7128
Hunter-Lab	75.0926, -19.8201, -0.6814

Details

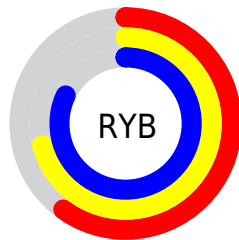
The Yxy color **56.3890, 0.2749, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.5055, 0.3681, 0.3279**, and the grayscale version is **52.3321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **27.7917, 0.2650, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **54.5227, 0.2627, 0.3307**, and if you desaturate by 10%, it is **58.6127, 0.2884, 0.3297**.

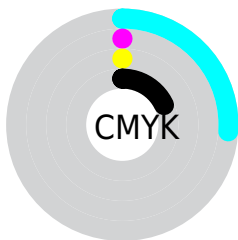
Distribution



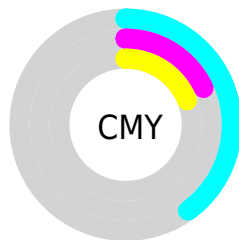
- Red (60%)
- Green (82%)
- Blue (81%)



- Red (60%)
- Yellow (71%)
- Blue (82%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (40%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3890, 0.2749, 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 56.3890, 0.2749, 0.3302 by changing the saturation by 10% instead.


 56.3890, 0.2749,
0.3302


 56.3890, 0.2749,
0.3302


411.1558, 0.2930,
0.3299

 40.5149, 0.2706,
0.3302


 99.5731, 0.2813,
0.3301

 27.9402, 0.2652,
0.3302


 127.6519, 0.2838,
0.3301

 18.2806, 0.2582,
0.3301


160.5677, 0.2859,
0.3300

 11.1516, 0.2489,
0.3299

198.7049, 0.2877,
0.3300

 6.1689, 0.2357,
0.3294

242.4480, 0.2893,
0.3300

 2.9481, 0.2157,
0.3281

292.1812, 0.2907,

 1.1047, 0.1771,

0.3299

0.3264

348.2890, 0.2919,
0.3299

0.0000, 0.0000,
0.0000

56.3890, 0.2749,
0.3302

56.3890, 0.2749,
0.3302

54.5227, 0.2627,
0.3307

58.6127, 0.2884,
0.3297

52.9887, 0.2521,
0.3313

61.2039, 0.3029,
0.3293

51.7692, 0.2433,
0.3319

64.1808, 0.3181,
0.3289

50.8421, 0.2363,
0.3324

67.5584, 0.3338,
0.3285

50.1826, 0.2313,
0.3330

70.9802, 0.3482,
0.3282

■ 49.7615, 0.2281,
0.3336

■ 70.9993, 0.3479,
0.3278

■ 49.5415, 0.2266,
0.3342

■ 71.0185, 0.3476,
0.3274

■ 49.4877, 0.2262,
0.3344

■ 71.0377, 0.3473,
0.3270

■ 71.0570, 0.3470,
0.3266

Harmonies

Analogous

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



56.3890, 0.2931, 0.3527



56.3890, 0.2749, 0.3302



56.3890, 0.2667, 0.3084

Triad

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



56.3890, 0.2749, 0.3302



56.3890, 0.3070, 0.2933



56.3890, 0.3567, 0.3636

Complementary

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



56.3890, 0.2749, 0.3302



38.5055, 0.3681, 0.3279

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.



56.3890, 0.3611, 0.3466



56.3890, 0.2749, 0.3302



56.3890, 0.3317, 0.3069

Square

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



56.3890, 0.2749, 0.3302



56.3890, 0.2846, 0.2883



56.3890, 0.3518, 0.3260



56.3890, 0.3404, 0.3721

Rectangle

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



56.3890, 0.2749, 0.3302



56.3890, 0.2677, 0.2975



56.3890, 0.3518, 0.3260



56.3890, 0.3597, 0.3586

Sweetspot

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



56.3913, 0.2749, 0.3302



96.3098, 0.3005, 0.3293



54.3642, 0.3105, 0.4041



20.4753, 0.2983, 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.



56.3913, 0.2749, 0.3302



87.5728, 0.2675, 0.3305



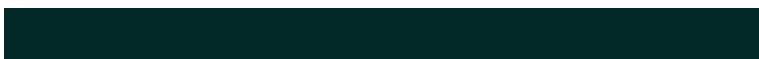
44.9051, 0.2710, 0.2947



13.4032, 0.2986, 0.3294



30.8393, 0.2262, 0.3343



1.7256, 0.2259, 0.3332

Inverse Universe

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



38.5055, 0.3681, 0.3279



54.3925, 0.3854, 0.3276



47.8066, 0.3610, 0.3610



11.8117, 0.3288, 0.3286



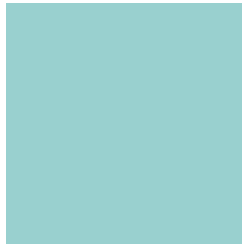
8.3646, 0.6379, 0.3288



0.4690, 0.6307, 0.3248

Previews

White Background



This preview shows how the Yxy color 56.3890, 0.2749, 0.3302 looks on a white background.

Color Contrast Check

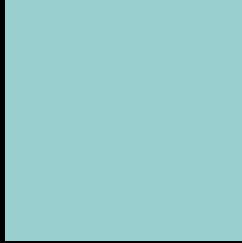
Large Text (above 18pt) WCAG AA × Fail

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 56.3890, 0.2749, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

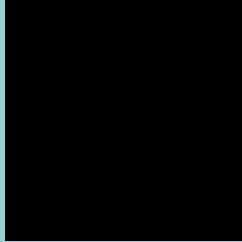
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

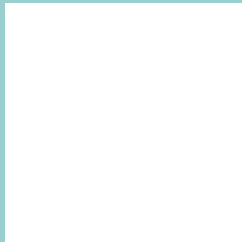
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3890, 0.2749, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 56.3890, 0.2749, 0.3302.



This preview shows how white text looks on a background with the Yxy color 56.3890, 0.2749, 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

56.3890, 0.2749, 0.3302

Protanopia

55.9293, 0.3129, 0.3242

Deuteranopia

56.0541, 0.3137, 0.3082



Tritanopia

56.4845, 0.2678, 0.3089

Trichromacy



Original Color

56.3890, 0.2749, 0.3302

Protanomaly

55.6876, 0.2977, 0.3253

Deuteranomaly

55.8104, 0.2980, 0.3156

Tritanomaly

56.6040, 0.2702, 0.3163

Monochromacy



Original Color

56.3890, 0.2749, 0.3302

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.3108, 0.2973, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3890, 0.2749, 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(153, 208, 207)` looks like.

```
.text, #text, p{  
    color:rgb(153, 208, 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(153, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 208, 207) }
```

Border

The CSS property to change the border of an element to Yxy 56.3890, 0.2749, 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(153, 208, 207) }
```

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

```
.border{ border-color:rgb(153, 208, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 208, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 208, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 208, 207); box-shadow:4px 4px 4px 4px rgb(153, 208, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3890, 0.2749, 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(153, 208, 207) }
```

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

```
.background{ background-color: rgb(153,  
208, 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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