

Converting Colors

$Y_{xy}(56.4269, 0.2670, 0.3421)$

Have a look what the booklet for
Yxy(56.4269, 0.2670, 0.3421)
contains.

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Color

Yxy(56.4196, 0.2670, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	86D4CA
RGB	134, 212, 202
RGB Percent	53%, 83%, 79%
CMY	0.4747, 0.1686, 0.2077
CMYK	0.37, 0.00, 0.05, 0.17
HSL	172°, 48%, 68%
HSV	172°, 37%, 83%
XYZ	44.0340, 56.4196, 64.4678
YIQ	187.5380, -43.2780, -19.6460

Conversions

Conversions Part 2

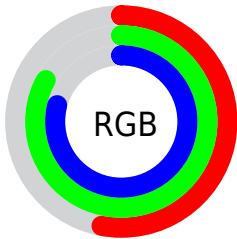
Format	Color
RYB	134, 176, 212
Decimal	8836298
CIELab	79.85, -26.27, -2.68
CIELCh	80, 26.402, 185.824
Yxy	56.4196, 0.2670, 0.3421
Android (android.graphics.Color)	4287026378 (0xFF86D4CA)
YUV	187.5380, 7.1298, -46.9528
Hunter-Lab	75.1130, -26.8044, 1.6918

Details

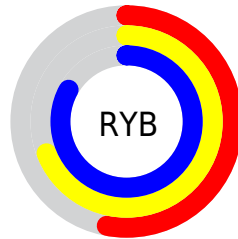
The Yxy color **56.4196, 0.2670, 0.3421** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0492, 0.3901, 0.3167**, and the grayscale version is **49.9885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **27.9143, 0.2551, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **54.7243, 0.2573, 0.3463**, and if you desaturate by 10%, it is **58.4708, 0.2781, 0.3382**.

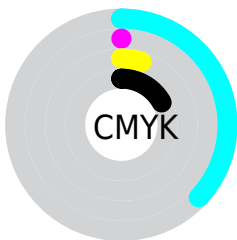
Distribution



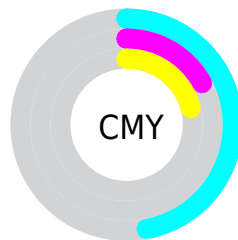
- Red (53%)
- Green (83%)
- Blue (79%)



- Red (53%)
- Yellow (69%)
- Blue (83%)



- Cyan (37%)
- Magenta (0%)
- Yellow (5%)
- Black (17%)





- Cyan (47%)
- Magenta (17%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4196, 0.2670, 0.3421 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 56.4196, 0.2670, 0.3421 by changing the saturation by 10% instead.


 56.4196, 0.2670,
0.3421

 56.4196, 0.2670,
0.3421


411.2709, 0.2889,
0.3360

 40.5394, 0.2618,
0.3435


 99.6178, 0.2748,
0.3400

 27.9594, 0.2552,
0.3453


 127.7047, 0.2777,
0.3391

 18.2950, 0.2468,
0.3475


 160.6292, 0.2803,
0.3384

 11.1620, 0.2355,
0.3503

198.7758, 0.2825,
0.3378

 6.1759, 0.2195,
0.3542

242.5289, 0.2844,
0.3373

 2.9523, 0.1955,
0.3597

292.2728, 0.2861,

 1.1069, 0.1346,

0.3368

0.3767

348.3920, 0.2876,
0.3364

0.0000, 0.0000,
0.0000

56.4196, 0.2670,
0.3421

56.4196, 0.2670,
0.3421

54.7243, 0.2573,
0.3463

58.4708, 0.2781,
0.3382

53.3572, 0.2493,
0.3506

60.8904, 0.2903,
0.3345

52.2972, 0.2432,
0.3550


63.6985, 0.3034,
0.3311


51.5181, 0.2390,
0.3595

66.9118, 0.3171,
0.3281


50.9891, 0.2367,
0.3640


70.5460, 0.3311,
0.3253

 50.6703, 0.2361,
0.3684

 73.4278, 0.3405,
0.3227

 50.5902, 0.2361,
0.3698

 73.5710, 0.3386,
0.3200

 73.7166, 0.3366,
0.3173

 73.8645, 0.3346,
0.3146

Harmonies

Analogous

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



56.4196, 0.2959, 0.3728



56.4196, 0.2670, 0.3421



56.4196, 0.2505, 0.3092

Triad

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



56.4196, 0.2670, 0.3421



56.4196, 0.2923, 0.2755



56.4196, 0.3796, 0.3696

Complementary

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



56.4196, 0.2670, 0.3421



33.0492, 0.3901, 0.3167

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.



56.4196, 0.3791, 0.3428



56.4196, 0.2670, 0.3421



56.4196, 0.3272, 0.2904

Square

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



56.4196, 0.2670, 0.3421



56.4196, 0.2645, 0.2729



56.4196, 0.3596, 0.3144



56.4196, 0.3613, 0.3876

Rectangle

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



56.4196, 0.2670, 0.3421



56.4196, 0.2482, 0.2914



56.4196, 0.3596, 0.3144



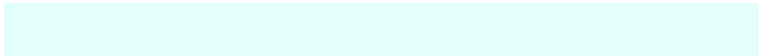
56.4196, 0.3817, 0.3612

Sweetspot

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



56.4219, 0.2670, 0.3421



94.8341, 0.2977, 0.3325



54.7733, 0.3147, 0.4374



20.1733, 0.2959, 0.3330



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.



56.4219, 0.2670, 0.3421



83.6727, 0.2595, 0.3453



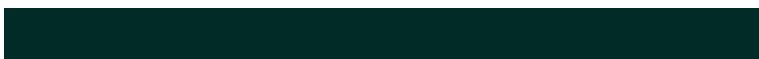
43.8473, 0.2560, 0.2898



14.0793, 0.2999, 0.3320



31.2398, 0.2359, 0.3692



1.8920, 0.2338, 0.3615

Inverse Universe

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



33.0492, 0.3901, 0.3167



43.2839, 0.4148, 0.3143



41.7632, 0.3885, 0.3648



12.4464, 0.3271, 0.3260



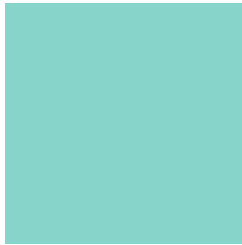
8.6984, 0.6228, 0.3205



0.5333, 0.5844, 0.2993

Previews

White Background



This preview shows how the Yxy color 56.4196, 0.2670, 0.3421 looks on a white background.

Color Contrast Check

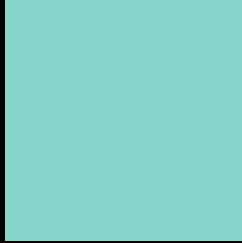
Large Text (above 18pt) WCAG AA × Fail

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 56.4196, 0.2670, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

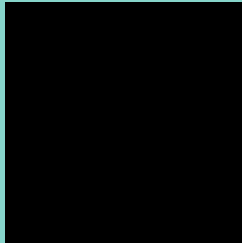
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

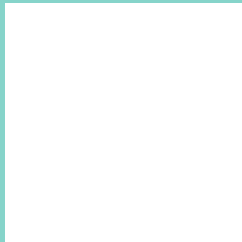
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4196, 0.2670, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 56.4196, 0.2670, 0.3421.

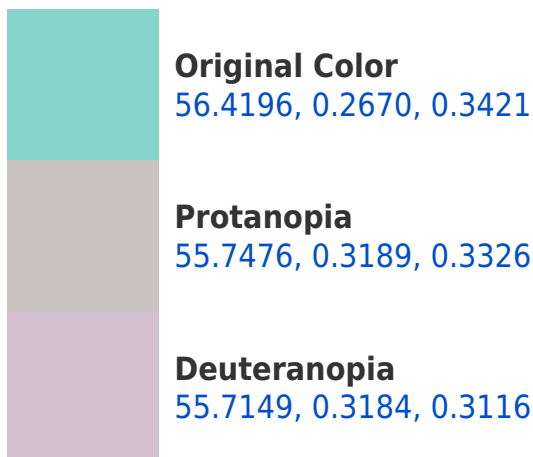


This preview shows how white text looks on a background with the Yxy color 56.4196, 0.2670, 0.3421.

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

56.6126, 0.2573, 0.3085

Trichromacy



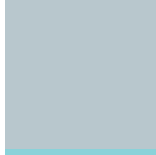
Original Color

56.4196, 0.2670, 0.3421



Protanomaly

55.5737, 0.2980, 0.3365



Deuteranomaly

55.4450, 0.2970, 0.3216



Tritanomaly

56.5062, 0.2606, 0.3198

Monochromacy



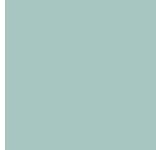
Original Color

56.4196, 0.2670, 0.3421



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.1076, 0.2933, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4196, 0.2670, 0.3421 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(134, 212, 202)` looks like.

```
.text, #text, p{  
    color:rgb(134, 212, 202)  
}
```

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(134, 212, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 212, 202) }
```

Border

The CSS property to change the border of an element to Yxy 56.4196, 0.2670, 0.3421 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(134, 212, 202) }
```

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

```
.border{ border-color:rgb(134, 212, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 212, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 212, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 212, 202);  
box-shadow:4px 4px 4px 4px rgb(134, 212,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4196, 0.2670, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 212, 202) }
```

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

```
.background{ background-color: rgb(134,  
212, 202) }
```

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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