

Converting Colors

$Y_{xy}(56.3218, 0.2656, 0.3289)$

Have a look what the booklet for
Yxy(56.3218, 0.2656, 0.3289)
contains.

Yxy(56.3218, 0.2656, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.3218, 0.2656, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	8CD2D2
RGB	140, 210, 210
RGB Percent	55%, 82%, 82%
CMY	0.4513, 0.1764, 0.1765
CMYK	0.33, 0.00, 0.00, 0.18
HSL	180°, 44%, 69%
HSV	180°, 33%, 82%
XYZ	45.4821, 56.3218, 69.4390
YIQ	189.0700, -41.7200, -14.8400

Conversions

Conversions Part 2

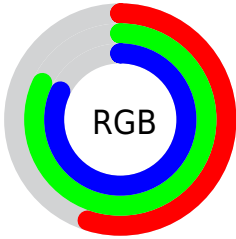
Format	Color
RYB	140, 175, 210
Decimal	9229010
CIELab	79.80, -21.83, -6.99
CIElCh	80, 22.922, 197.742
Yxy	56.3218, 0.2656, 0.3289
Android (android.graphics.Color)	4287419090 (0xFF8CD2D2)
YUV	189.0700, 10.3185, -43.0344
Hunter-Lab	75.0479, -23.1553, -2.3254

Details

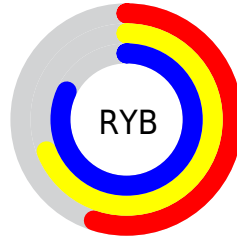
The Yxy color **56.3218, 0.2656, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3270, 0.3901, 0.3292**, and the grayscale version is **50.8791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **27.8214, 0.2534, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **54.6713, 0.2543, 0.3289**, and if you desaturate by 10%, it is **58.3249, 0.2784, 0.3289**.

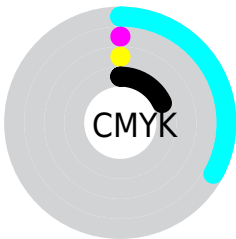
Distribution



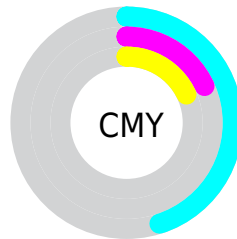
- Red (55%)
- Green (82%)
- Blue (82%)



- Red (55%)
- Yellow (69%)
- Blue (82%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (45%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.3218, 0.2656, 0.3289 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 56.3218, 0.2656, 0.3289 by changing the saturation by 10% instead.


 56.3218, 0.2656,
0.3289

 56.3218, 0.2656,
0.3289


410.9031, 0.2881,
0.3293

 40.4610, 0.2603,
0.3287


 99.4749, 0.2736,
0.3291

 27.8982, 0.2536,
0.3284


 127.5360, 0.2766,
0.3292

 18.2489, 0.2451,
0.3279


160.4327, 0.2792,
0.3292

 11.1288, 0.2336,
0.3270

198.5493, 0.2815,
0.3293

 6.1536, 0.2176,
0.3254

242.2702, 0.2834,
0.3293

 2.9387, 0.1938,
0.3222

291.9799, 0.2852,

 1.0998, 0.1442,

0.3293

348.0628, 0.2867,
0.3293

0.3185

0.0000, 0.0000,
0.0000

56.3218, 0.2656,
0.3289

56.3218, 0.2656,
0.3289

54.6713, 0.2543,
0.3289

58.3249, 0.2784,
0.3289

53.3468, 0.2448,
0.3289

60.6921, 0.2925,
0.3290

52.3287, 0.2371,
0.3289

63.4427, 0.3075,
0.3290


51.5923, 0.2314,
0.3289


66.5927, 0.3232,
0.3290


51.1095, 0.2276,
0.3289

70.1572, 0.3392,
0.3291


 50.8460, 0.2254,
0.3289

 72.0190, 0.3469,
0.3291

 50.7531, 0.2247,
0.3289

 72.0195, 0.3469,
0.3291

 72.0200, 0.3469,
0.3291

 72.0205, 0.3469,
0.3290

Harmonies

Analogous

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



56.3218, 0.2872, 0.3572



56.3218, 0.2656, 0.3289



56.3218, 0.2563, 0.3023

Triad

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



56.3218, 0.2656, 0.3289



56.3218, 0.3068, 0.2861



56.3218, 0.3663, 0.3721

Complementary

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



56.3218, 0.2656, 0.3289



34.3270, 0.3901, 0.3292

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.



56.3218, 0.3726, 0.3512



56.3218, 0.2656, 0.3289



56.3218, 0.3373, 0.3029

Square

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



56.3218, 0.2656, 0.3289



56.3218, 0.2792, 0.2794



56.3218, 0.3618, 0.3262



56.3218, 0.3454, 0.3825

Rectangle

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



56.3218, 0.2656, 0.3289



56.3218, 0.2580, 0.2893



56.3218, 0.3618, 0.3262



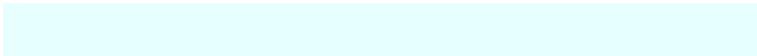
56.3218, 0.3702, 0.3660

Sweetspot

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



56.3240, 0.2656, 0.3289



95.4796, 0.2973, 0.3290



53.6643, 0.3089, 0.4275



20.3113, 0.2952, 0.3290



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.



56.3240, 0.2656, 0.3289



85.5093, 0.2575, 0.3289



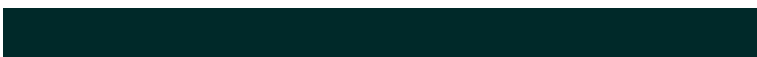
41.3257, 0.2597, 0.2825



13.4070, 0.2983, 0.3290



30.9517, 0.2247, 0.3289



1.7307, 0.2247, 0.3288

Inverse Universe

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



34.3270, 0.3901, 0.3292



46.3439, 0.4148, 0.3293



45.7898, 0.3762, 0.3712



11.8083, 0.3291, 0.3290



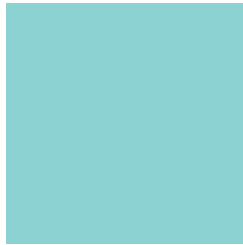
8.3580, 0.6400, 0.3299



0.4674, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 56.3218, 0.2656, 0.3289 looks on a white background.

Color Contrast Check

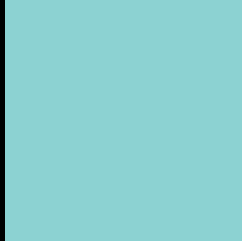
Large Text (above 18pt) WCAG AA × Fail

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 56.3218, 0.2656, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

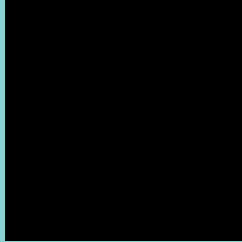
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.3218, 0.2656, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 56.3218, 0.2656, 0.3289.



This preview shows how white text looks on a background with the Yxy color 56.3218, 0.2656, 0.3289.

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

56.3218, 0.2656, 0.3289

Protanopia

55.8862, 0.3107, 0.3218

Deuteranopia

55.5265, 0.3092, 0.3023



Tritanopia

56.3332, 0.2593, 0.3086

Trichromacy



Original Color

56.3218, 0.2656, 0.3289

Protanomaly

55.6460, 0.2927, 0.3240

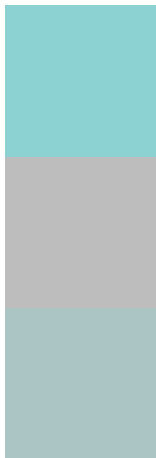
Deuteranomaly

55.2595, 0.2908, 0.3107

Tritanomaly

56.4662, 0.2616, 0.3161

Monochromacy



Original Color

56.3218, 0.2656, 0.3289

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.6216, 0.2928, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3218, 0.2656, 0.3289 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(140, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(140, 210, 210)  
}
```

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(140, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 210, 210) }
```

Border

The CSS property to change the border of an element to Yxy 56.3218, 0.2656, 0.3289 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(140, 210, 210) }
```

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

```
.border{ border-color:rgb(140, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(140, 210,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3218, 0.2656, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 210, 210) }
```

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

```
.background{ background-color: rgb(140,  
210, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor