

Converting Colors

$Yxy(56.9744, 0.2619, 0.3289)$

Have a look what the booklet for
Yxy(56.9744, 0.2619, 0.3289)
contains.

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Color

Yxy(56.9913, 0.2621, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	87D4D4
RGB	135, 212, 212
RGB Percent	53%, 83%, 83%
CMY	0.4705, 0.1686, 0.1688
CMYK	0.36, 0.00, 0.00, 0.17
HSL	180°, 47%, 68%
HSV	180°, 36%, 83%
XYZ	45.4163, 56.9913, 70.8709
YIQ	188.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

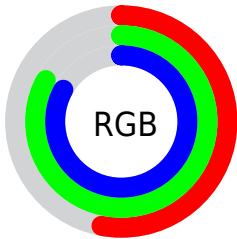
Format	Color
RYB	135, 174, 212
Decimal	8901844
CIELab	80.17, -23.65, -7.51
CIELCh	80, 24.814, 197.614
Yxy	56.9913, 0.2621, 0.3289
Android (android.graphics.Color)	4287091924 (0xFF87D4D4)
YUV	188.9770, 11.3503, -47.3378
Hunter-Lab	75.4926, -24.7265, -2.8154

Details

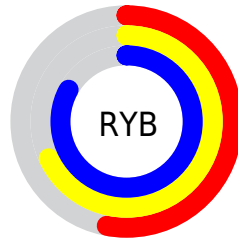
The Yxy color **56.9913, 0.2621, 0.3289** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0799, 0.4000, 0.3292**, and the grayscale version is **50.8300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **28.2537, 0.2496, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **55.4059, 0.2513, 0.3289**, and if you desaturate by 10%, it is **58.9314, 0.2745, 0.3289**.

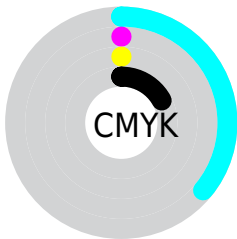
Distribution



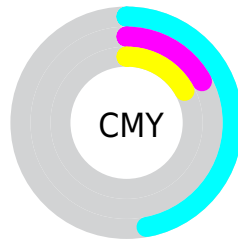
- Red (53%)
- Green (83%)
- Blue (83%)



- Red (53%)
- Yellow (68%)
- Blue (83%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9913, 0.2621, 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 56.9913, 0.2621, 0.3289 by changing the saturation by 10% instead.


 56.9913, 0.2621,
0.3289

 56.9913, 0.2621,
0.3289


413.4167, 0.2862,
0.3294

 40.9983, 0.2564,
0.3287


 100.4525, 0.2706,
0.3292

 28.3177, 0.2494,
0.3283


 128.6894, 0.2739,
0.3292

 18.5653, 0.2403,
0.3277


 161.7765, 0.2767,
0.3293

 11.3566, 0.2282,
0.3267

200.0980, 0.2791,
0.3293

 6.3072, 0.2113,
0.3250

244.0383, 0.2812,
0.3294

 3.0328, 0.1865,
0.3214

293.9820, 0.2831,

 1.1489, 0.1360,

0.3294

350.3133, 0.2847,
0.3294

0.3167

0.0193, 0.0000,
0.0342

0.0000, 0.0000,
0.0000

56.9913, 0.2621,
0.3289

56.9913, 0.2621,
0.3289

55.4059, 0.2513,
0.3289

58.9314, 0.2745,
0.3289

54.1475, 0.2423,
0.3289

61.2385, 0.2882,
0.3290

53.1952, 0.2352,
0.3289

63.9327, 0.3030,
0.3290

52.5229, 0.2301,
0.3289

67.0305, 0.3185,
0.3290

■ 52.1003, 0.2268,
0.3289

■ 70.5478, 0.3345,
0.3291

■ 51.8888, 0.2251,
0.3289

■ 73.1050, 0.3451,
0.3291

■ 51.8382, 0.2247,
0.3289

■ 73.1055, 0.3451,
0.3291

■ 73.1060, 0.3451,
0.3290

■ 73.1066, 0.3451,
0.3290

Harmonies

Analogous

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



56.9913, 0.2853, 0.3596



56.9913, 0.2621, 0.3289



56.9913, 0.2522, 0.3002

Triad

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



56.9913, 0.2621, 0.3289



56.9913, 0.3061, 0.2829



56.9913, 0.3705, 0.3752

Complementary

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



56.9913, 0.2621, 0.3289



33.0799, 0.4000, 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.



56.9913, 0.3773, 0.3526



56.9913, 0.2621, 0.3289



56.9913, 0.3391, 0.3008

Square

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



56.9913, 0.2621, 0.3289



56.9913, 0.2765, 0.2757



56.9913, 0.3657, 0.3257



56.9913, 0.3479, 0.3867

Rectangle

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



56.9913, 0.2621, 0.3289



56.9913, 0.2539, 0.2863



56.9913, 0.3657, 0.3257



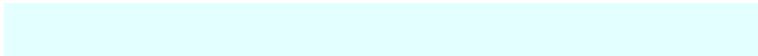
56.9913, 0.3748, 0.3685

Sweetspot

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



56.9936, 0.2621, 0.3289



95.0618, 0.2958, 0.3290



54.0985, 0.3085, 0.4378



20.2280, 0.2938, 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.



56.9936, 0.2621, 0.3289



84.5581, 0.2532, 0.3289



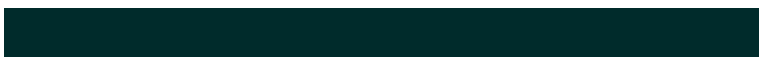
40.4847, 0.2549, 0.2777



14.1078, 0.2983, 0.3290



32.0004, 0.2247, 0.3289



1.9301, 0.2247, 0.3289

Inverse Universe

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



33.0799, 0.4000, 0.3292



42.8238, 0.4305, 0.3293



45.3386, 0.3832, 0.3750



12.4209, 0.3291, 0.3290



8.6413, 0.6400, 0.3299



0.5212, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 56.9913, 0.2621, 0.3289 looks on a white background.

Color Contrast Check

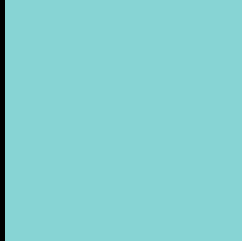
Large Text (above 18pt) WCAG AA × Fail

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 56.9913, 0.2621, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

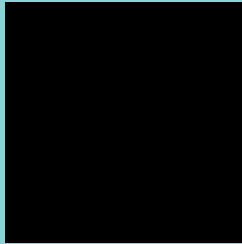
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

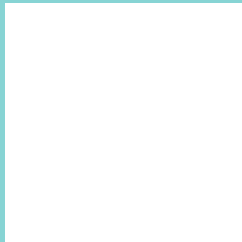
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9913, 0.2621, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 56.9913, 0.2621, 0.3289.



This preview shows how white text looks on a background with the Yxy color 56.9913, 0.2621, 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

56.9913, 0.2621, 0.3289

Protanopia

56.5237, 0.3107, 0.3218

Deuteranopia

56.2125, 0.3085, 0.3014



Tritanopia

57.1282, 0.2559, 0.3073

Trichromacy



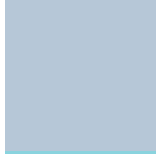
Original Color

56.9913, 0.2621, 0.3289



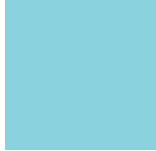
Protanomaly

55.9274, 0.2906, 0.3240



Deuteranomaly

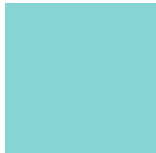
55.6982, 0.2888, 0.3095



Tritanomaly

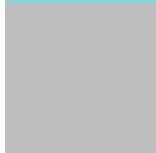
57.2657, 0.2581, 0.3148

Monochromacy



Original Color

56.9913, 0.2621, 0.3289



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

52.3987, 0.2913, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9913, 0.2621, 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(135, 212, 212)` looks like.

```
.text, #text, p{  
    color:rgb(135, 212, 212)  
}
```

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(135, 212, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 212, 212) }
```

Border

The CSS property to change the border of an element to Yxy 56.9913, 0.2621, 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(135, 212, 212) }
```

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

```
.border{ border-color:rgb(135, 212, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 212, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 212, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 212, 212);  
box-shadow:4px 4px 4px 4px rgb(135, 212,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9913, 0.2621, 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(135, 212, 212) }
```

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

```
.background{ background-color: rgb(135,  
212, 212) }
```

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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