

Converting Colors

$Yxy(56.6872, 0.2889, 0.3436)$

Have a look what the booklet for
Yxy(56.6872, 0.2889, 0.3436)
contains.

Yxy(56.5037, 0.2889, 0.3430)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.5037, 0.2889, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	A4CFC4
RGB	164, 207, 196
RGB Percent	64%, 81%, 77%
CMY	0.3568, 0.1882, 0.2313
CMYK	0.21, 0.00, 0.05, 0.19
HSL	165°, 31%, 73%
HSV	165°, 21%, 81%
XYZ	47.5916, 56.5037, 60.6385
YIQ	192.8890, -22.0970, -12.5370

Conversions

Conversions Part 2

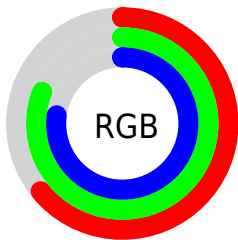
Format	Color
RYB	164, 189, 207
Decimal	10801092
CIELab	79.90, -16.32, 0.80
CIElCh	80, 16.340, 177.207
Yxy	56.5037, 0.2889, 0.3430
Android (android.graphics.Color)	4288991172 (0xFFA4CFC4)
YUV	192.8890, 1.5337, -25.3357
Hunter-Lab	75.1689, -18.5322, 4.7892

Details

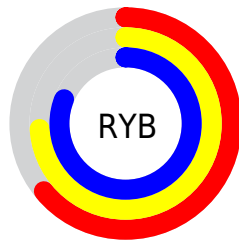
The Yxy color **56.5037, 0.2889, 0.3430** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.9177, 0.3436, 0.3155**, and the grayscale version is **53.2644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8275, 0.2928, 0.3310**, and **28.1150, 0.2827, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **54.2432, 0.2785, 0.3507**, and if you desaturate by 10%, it is **59.1358, 0.3001, 0.3359**.

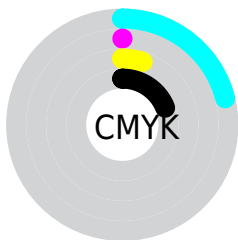
Distribution



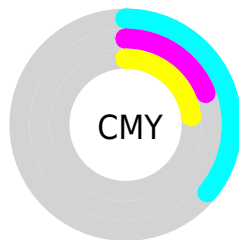
- Red (64%)
- Green (81%)
- Blue (77%)



- Red (64%)
- Yellow (74%)
- Blue (81%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)





- Cyan (36%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5037, 0.2889, 0.3430 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 56.5037, 0.2889, 0.3430 by changing the saturation by 10% instead.


 56.5037, 0.2889,
0.3430

 56.5037, 0.2889,
0.3430


411.5870, 0.3004,
0.3362

 40.6069, 0.2861,
0.3446


 99.7407, 0.2930,
0.3406

 28.0121, 0.2826,
0.3467


 127.8496, 0.2946,
0.3397

 18.3348, 0.2781,
0.3494


160.7981, 0.2959,
0.3389

 11.1906, 0.2719,
0.3531

198.9705, 0.2971,
0.3382

 6.1952, 0.2631,
0.3584

242.7512, 0.2981,
0.3376

 2.9641, 0.2494,
0.3666

292.5245, 0.2989,

 1.1130, 0.2215,

0.3371

0.3832

348.6750, 0.2997,
0.3366

0.0000, 0.0000,
0.0000

56.5037, 0.2889,
0.3430

56.5037, 0.2889,
0.3430

54.2432, 0.2785,
0.3507

59.1358, 0.3001,
0.3359

52.3299, 0.2692,
0.3590

62.1487, 0.3118,
0.3295

50.7473, 0.2612,
0.3678

65.5599, 0.3238,
0.3237

49.4747, 0.2549,
0.3770

69.3840, 0.3358,
0.3185

48.4892, 0.2505,
0.3865

71.1825, 0.3382,
0.3135

■ 47.7644, 0.2480,
0.3961

■ 71.4710, 0.3343,
0.3082

■ 47.2691, 0.2475,
0.4056

■ 71.7685, 0.3304,
0.3030

■ 46.9632, 0.2484,
0.4143

■ 72.0750, 0.3266,
0.2979

■ 72.3907, 0.3229,
0.2928

Harmonies

Analogous

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



56.5037, 0.3087, 0.3595



56.5037, 0.2889, 0.3430



56.5037, 0.2757, 0.3229

Triad

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



56.5037, 0.2889, 0.3430



56.5037, 0.2946, 0.2937



56.5037, 0.3551, 0.3506

Complementary

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



56.5037, 0.2889, 0.3430



42.9177, 0.3436, 0.3155

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.



56.5037, 0.3512, 0.3331



56.5037, 0.2889, 0.3430



56.5037, 0.3156, 0.3011

Square

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



56.5037, 0.2889, 0.3430



56.5037, 0.2788, 0.2951



56.5037, 0.3365, 0.3152



56.5037, 0.3472, 0.3632

Rectangle

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



56.5037, 0.2889, 0.3430



56.5037, 0.2721, 0.3106



56.5037, 0.3365, 0.3152



56.5037, 0.3551, 0.3451

Sweetspot

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



56.5060, 0.2889, 0.3430



96.9638, 0.3055, 0.3328



56.4753, 0.3187, 0.3846



20.6865, 0.3048, 0.3332



0.0000, 0.0000, 0.0000



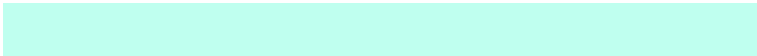
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.5060, 0.2889, 0.3430



88.8448, 0.2841, 0.3464



52.3182, 0.2811, 0.3161



13.3534, 0.3017, 0.3350



29.6056, 0.2481, 0.4130



1.6678, 0.2432, 0.3956

Inverse Universe

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



42.9177, 0.3436, 0.3155



63.1613, 0.3524, 0.3123



46.2367, 0.3515, 0.3416



11.8571, 0.3251, 0.3231



8.5319, 0.5897, 0.3022



0.4901, 0.5363, 0.2728

Previews

White Background



This preview shows how the Yxy color 56.5037, 0.2889, 0.3430 looks on a white background.

Color Contrast Check

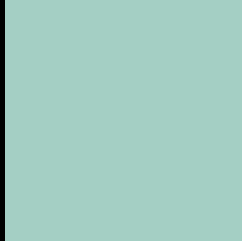
Large Text (above 18pt) WCAG AA × Fail

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 56.5037, 0.2889, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

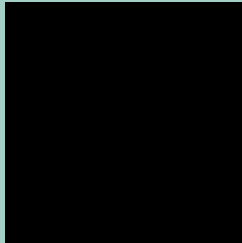
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

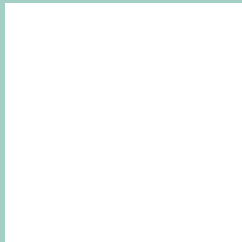
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5037, 0.2889, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 56.5037, 0.2889, 0.3430.



This preview shows how white text looks on a background with the Yxy color 56.5037, 0.2889, 0.3430.

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

56.5037, 0.2889, 0.3430

Protanopia

56.3467, 0.3227, 0.3374

Deuteranopia

55.9841, 0.3271, 0.3198



Tritanopia

56.3142, 0.2769, 0.3080

Trichromacy



Original Color

56.5037, 0.2889, 0.3430

Protanomaly

56.3979, 0.3099, 0.3401

Deuteranomaly

55.8800, 0.3120, 0.3278

Tritanomaly

56.1044, 0.2812, 0.3201

Monochromacy



Original Color

56.5037, 0.2889, 0.3430

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

54.2283, 0.3032, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5037, 0.2889, 0.3430 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(164, 207, 196)` looks like.

```
.text, #text, p{  
    color:rgb(164, 207, 196)  
}
```

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(164, 207, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 207, 196) }
```

Border

The CSS property to change the border of an element to Yxy 56.5037, 0.2889, 0.3430 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(164, 207, 196) }
```

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

```
.border{ border-color:rgb(164, 207, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 207, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 207, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 207, 196);  
box-shadow:4px 4px 4px 4px rgb(164, 207,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5037, 0.2889, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 207, 196) }
```

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

```
.background{ background-color: rgb(164,  
207, 196) }
```

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