

Converting Colors

$Yxy(56.9453, 0.2963, 0.3494)$

Have a look what the booklet for
Yxy(56.9453, 0.2963, 0.3494)
contains.

Yxy(56.9333, 0.2964, 0.3494)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.9333, 0.2964, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	AACFBF
RGB	170, 207, 191
RGB Percent	67%, 81%, 75%
CMY	0.3332, 0.1882, 0.2511
CMYK	0.18, 0.00, 0.08, 0.19
HSL	154°, 28%, 74%
HSV	154°, 18%, 81%
XYZ	48.2972, 56.9333, 57.7154
YIQ	194.1130, -16.9160, -12.8200

Conversions

Conversions Part 2

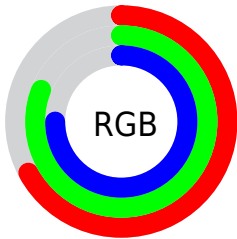
Format	Color
RYB	170, 194, 207
Decimal	11194303
CIELab	80.14, -15.41, 3.90
CIELCh	80, 15.899, 165.794
Yxy	56.9333, 0.2964, 0.3494
Android (android.graphics.Color)	4289384383 (0xFFAACFBF)
YUV	194.1130, -1.5347, -21.1471
Hunter-Lab	75.4542, -17.7894, 7.4666

Details

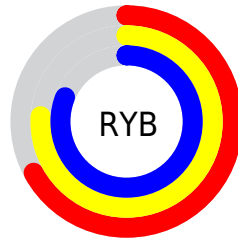
The Yxy color **56.9333, 0.2964, 0.3494** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.5765, 0.3326, 0.3095**, and the grayscale version is **54.0396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4042, 0.2996, 0.3370**, and **28.3994, 0.2914, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **54.4237, 0.2879, 0.3625**, and if you desaturate by 10%, it is **59.8352, 0.3054, 0.3375**.

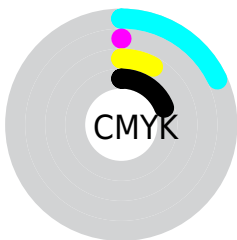
Distribution



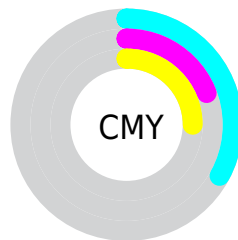
- Red (67%)
- Green (81%)
- Blue (75%)



- Red (67%)
- Yellow (76%)
- Blue (81%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)





- Cyan (33%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9333, 0.2964, 0.3494 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 56.9333, 0.2964, 0.3494 by changing the saturation by 10% instead.


 56.9333, 0.2964,
0.3494

 56.9333, 0.2964,
0.3494


413.1993, 0.3044,
0.3394

 40.9517, 0.2945,
0.3518


 100.3679, 0.2992,
0.3458

 28.2813, 0.2920,
0.3549


128.5896, 0.3003,
0.3444

 18.5378, 0.2888,
0.3590


161.6602, 0.3012,
0.3433

 11.3368, 0.2845,
0.3646

199.9640, 0.3020,
0.3423

 6.2939, 0.2782,
0.3728

243.8854, 0.3027,
0.3414

 3.0246, 0.2682,
0.3858

293.8088, 0.3033,

 1.1446, 0.2481,

0.3407

0.4109

350.1187, 0.3039,
0.3400

0.0157, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.9333, 0.2964,
0.3494

56.9333, 0.2964,
0.3494

54.4237, 0.2879,
0.3625

59.8352, 0.3054,
0.3375

52.2818, 0.2801,
0.3769


63.1384, 0.3147,
0.3268


50.4912, 0.2734,
0.3923


66.8607, 0.3240,
0.3173

49.0316, 0.2682,
0.4085

71.0165, 0.3333,
0.3089


 47.8802, 0.2646,
0.4253


 71.9330, 0.3284,
0.3002


 47.0116, 0.2630,
0.4424


 72.4676, 0.3220,
0.2916

 46.3957, 0.2635,
0.4592

 73.0288, 0.3157,
0.2832

 45.9895, 0.2658,
0.4755

 73.1053, 0.3149,
0.2821

 45.9150, 0.2664,
0.4789

Harmonies

Analogous

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



56.9333, 0.3169, 0.3625



56.9333, 0.2964, 0.3494



56.9333, 0.2806, 0.3305

Triad

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



56.9333, 0.2964, 0.3494



56.9333, 0.2884, 0.2942



56.9333, 0.3538, 0.3439

Complementary

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



56.9333, 0.2964, 0.3494



45.5765, 0.3326, 0.3095

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.



56.9333, 0.3457, 0.3262



56.9333, 0.2964, 0.3494



56.9333, 0.3075, 0.2982

Square

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



56.9333, 0.2964, 0.3494



56.9333, 0.2762, 0.2989



56.9333, 0.3285, 0.3098



56.9333, 0.3504, 0.3584

Rectangle

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



56.9333, 0.2964, 0.3494



56.9333, 0.2747, 0.3178



56.9333, 0.3285, 0.3098



56.9333, 0.3523, 0.3381

Sweetspot

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



56.9357, 0.2964, 0.3494



97.3105, 0.3080, 0.3344



58.0522, 0.3232, 0.3754



20.7504, 0.3074, 0.3352



0.0000, 0.0000, 0.0000



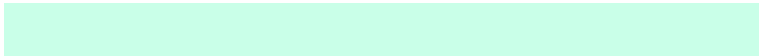
21.4041, 0.3127, 0.3290

Same Dimension

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



56.9357, 0.2964, 0.3494



89.8135, 0.2934, 0.3537



56.7901, 0.2859, 0.3266



13.3168, 0.3040, 0.3393



28.9481, 0.2658, 0.4767



1.6344, 0.2574, 0.4468

Inverse Universe

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



45.5765, 0.3326, 0.3095



68.6618, 0.3372, 0.3056



45.6302, 0.3466, 0.3314



11.8922, 0.3223, 0.3190



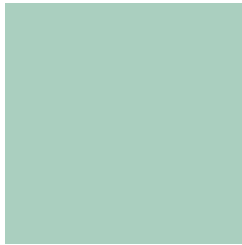
8.8387, 0.5223, 0.2651



0.5100, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 56.9333, 0.2964, 0.3494 looks on a white background.

Color Contrast Check

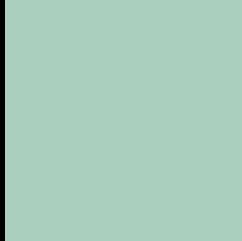
Large Text (above 18pt) WCAG AA × Fail

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 56.9333, 0.2964, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

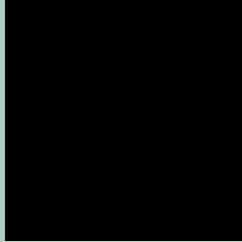
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

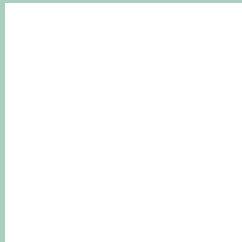
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9333, 0.2964, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 56.9333, 0.2964, 0.3494.

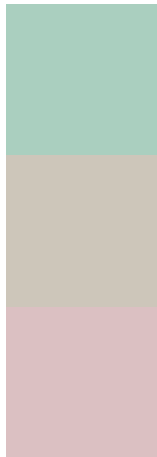


This preview shows how white text looks on a background with the Yxy color 56.9333, 0.2964, 0.3494.

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

56.9333, 0.2964, 0.3494

Protanopia

56.9125, 0.3272, 0.3434

Deuteranopia

56.6544, 0.3334, 0.3268



Tritanopia

56.9403, 0.2816, 0.3094

Trichromacy



Original Color

56.9333, 0.2964, 0.3494

Protanomaly

56.6106, 0.3151, 0.3450

Deuteranomaly

56.2003, 0.3189, 0.3338

Tritanomaly

56.6734, 0.2866, 0.3227

Monochromacy



Original Color

56.9333, 0.2964, 0.3494

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.0114, 0.3062, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9333, 0.2964, 0.3494 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(170, 207, 191)` looks like.

```
.text, #text, p{  
    color:rgb(170, 207, 191)  
}
```

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(170, 207, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 207, 191) }
```

Border

The CSS property to change the border of an element to Yxy 56.9333, 0.2964, 0.3494 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(170, 207, 191) }
```

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

```
.border{ border-color:rgb(170, 207, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 207, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 207, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 207, 191);  
box-shadow:4px 4px 4px 4px rgb(170, 207,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9333, 0.2964, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 207, 191) }
```

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

```
.background{ background-color: rgb(170,  
207, 191) }
```

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