

Converting Colors

$Y_{xy}(45.8302, 0.2939, 0.3258)$

Have a look what the booklet for
Yxy(45.8302, 0.2939, 0.3258)
contains.

Yxy(45.6554, 0.2933, 0.3249)	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(45.6554, 0.2933, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	A3B8BB
RGB	163, 184, 187
RGB Percent	64%, 72%, 73%
CMY	0.3608, 0.2784, 0.2667
CMYK	0.13, 0.02, 0.00, 0.27
HSL	187°, 15%, 69%
HSV	187°, 13%, 73%
XYZ	41.2149, 45.6554, 53.6511
YIQ	178.0630, -13.4790, -3.5190

Conversions

Conversions Part 2

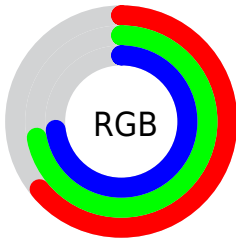
Format	Color
R_{YB}	163, 174, 187
Decimal	10729659
CIE Lab	73.32, -6.56, -3.97
CIE LCh	73, 7.662, 211.171
Yxy	45.6554, 0.2933, 0.3249
Android (android.graphics.Color)	4288919739 (0xFFA3B8BB)
YUV	178.0630, 4.4059, -13.2103
Hunter-Lab	67.5688, -9.3657, 0.2206

Details

The Yxy color **45.6554, 0.2933, 0.3249** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.4819, 0.3352, 0.3331**, and the grayscale version is **44.5389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6967, 0.2968, 0.3258**, and **21.3333, 0.2876, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **42.8655, 0.2788, 0.3214**, and if you desaturate by 10%, it is **48.7569, 0.3084, 0.3281**.

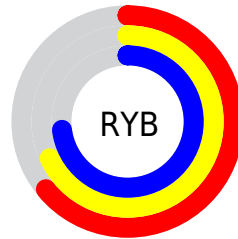
Distribution



Red (64%)

Green (72%)

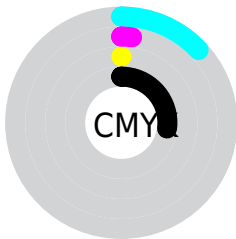
Blue (73%)



Red (64%)

Yellow (68%)

Blue (73%)

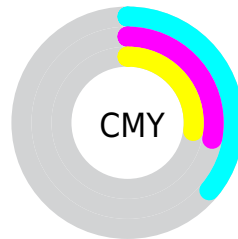


Cyan (13%)

Magenta (2%)

Yellow (0%)

Black (27%)



Cyan (36%)


Magenta (28%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6554, 0.2933, 0.3249 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 45.6554, 0.2933, 0.3249 by changing the saturation by 10% instead.


 45.6554, 0.2933,
0.3249


 45.6554, 0.2933,
0.3249


369.4215, 0.3030,
0.3270

 31.9740, 0.2909,
0.3243


 83.7030, 0.2968,
0.3257

 21.3416, 0.2878,
0.3236


 108.8380, 0.2981,
0.3260

 13.3739, 0.2836,
0.3226


138.5597, 0.2993,
0.3262

 7.6865, 0.2779,
0.3212

173.2524, 0.3002,
0.3264

 3.8950, 0.2693,
0.3189

213.3005, 0.3011,
0.3266

 1.6150, 0.2551,
0.3149

259.0885, 0.3018,

 0.3677, 0.1534,

0.3268

0.2978

311.0007, 0.3024,
0.3269

0.0000, 0.0000,
0.0000

45.6554, 0.2933,
0.3249

45.6554, 0.2933,
0.3249

42.8655, 0.2788,
0.3214

48.7569, 0.3084,
0.3281

40.3688, 0.2652,
0.3176

52.1765, 0.3238,
0.3311

38.1533, 0.2527,
0.3136

55.9273, 0.3392,
0.3337

36.2041, 0.2417,
0.3095

60.0203, 0.3545,
0.3361

34.5048, 0.2324,
0.3052

64.1788, 0.3682,
0.3382

■ 33.0370, 0.2249,
0.3008

■ 65.2374, 0.3676,
0.3406

■ 31.7799, 0.2193,
0.2965

■ 66.3124, 0.3670,
0.3430

■ 30.7080, 0.2156,
0.2922

■ 67.4039, 0.3663,
0.3454

■ 30.0180, 0.2136,
0.2891

■ 68.5120, 0.3657,
0.3478

Harmonies

Analogous

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



45.6554, 0.2996, 0.3348



45.6554, 0.2933, 0.3249



45.6554, 0.2921, 0.3164

Triad

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



45.6554, 0.2933, 0.3249



45.6554, 0.3158, 0.3154



45.6554, 0.3292, 0.3468

Complementary

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



45.6554, 0.2933, 0.3249



40.4819, 0.3352, 0.3331

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.



45.6554, 0.3337, 0.3412



45.6554, 0.2933, 0.3249



45.6554, 0.3259, 0.3232

Square

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



45.6554, 0.2933, 0.3249



45.6554, 0.3050, 0.3111



45.6554, 0.3325, 0.3326



45.6554, 0.3203, 0.3476

Rectangle

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



45.6554, 0.2933, 0.3249



45.6554, 0.2944, 0.3126



45.6554, 0.3325, 0.3326



45.6554, 0.3313, 0.3454

Sweetspot

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



45.6573, 0.2933, 0.3249



86.6103, 0.3065, 0.3278



46.0726, 0.3090, 0.3583



18.9772, 0.3053, 0.3275



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.6573, 0.2933, 0.3249



80.5188, 0.2897, 0.3241



40.9576, 0.2929, 0.3087



10.6008, 0.2985, 0.3261



20.7559, 0.2138, 0.2896



0.8707, 0.2166, 0.2999

Inverse Universe

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



40.2223, 0.3168, 0.3016



69.1784, 0.3176, 0.2963



44.9705, 0.3332, 0.3485



9.6752, 0.3156, 0.3092



9.1250, 0.3547, 0.1728



0.3633, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 45.6554, 0.2933, 0.3249 looks on a white background.

Color Contrast Check

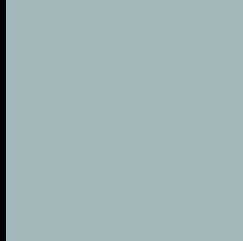
Large Text (above 18pt) WCAG AA × Fail

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 45.6554, 0.2933, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

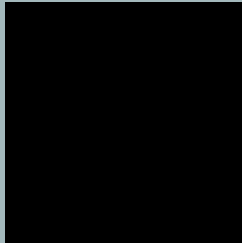
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

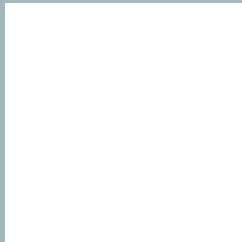
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6554, 0.2933, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 45.6554, 0.2933, 0.3249.



This preview shows how white text looks on a background with the Yxy color 45.6554, 0.2933, 0.3249.

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

45.6554, 0.2933, 0.3249

Protanopia

45.6460, 0.3113, 0.3225

Deuteranopia

45.2837, 0.3171, 0.3101



Tritanopia

45.4864, 0.2876, 0.3090

Trichromacy



Original Color

45.6554, 0.2933, 0.3249

Protanomaly

45.6645, 0.3045, 0.3237

Deuteranomaly

45.4167, 0.3082, 0.3160

Tritanomaly

45.6097, 0.2897, 0.3156

Monochromacy



Original Color

45.6554, 0.2933, 0.3249

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8629, 0.3060, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6554, 0.2933, 0.3249 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(163, 184, 187)` looks like.

```
.text, #text, p{  
    color:rgb(163, 184, 187)  
}
```

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(163, 184, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 184, 187) }
```

Border

The CSS property to change the border of an element to Yxy 45.6554, 0.2933, 0.3249 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(163, 184, 187) }
```

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

```
.border{ border-color:rgb(163, 184, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 184, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 184, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 184, 187);  
box-shadow:4px 4px 4px 4px rgb(163, 184,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6554, 0.2933, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 184, 187) }
```

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

```
.background{ background-color: rgb(163,  
184, 187) }
```

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