

Converting Colors

$Y_{xy}(45.2768, 0.2673, 0.3218)$

Have a look what the booklet for
Yxy(45.2768, 0.2673, 0.3218)
contains.

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Color

Yxy(45.2768, 0.2673, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	85BDC2
RGB	133, 189, 194
RGB Percent	52%, 74%, 76%
CMY	0.4785, 0.2588, 0.2391
CMYK	0.31, 0.03, 0.00, 0.24
HSL	185°, 33%, 64%
HSV	185°, 31%, 76%
XYZ	37.6087, 45.2768, 57.8130
YIQ	172.8260, -34.9810, -10.3170

Conversions

Conversions Part 2

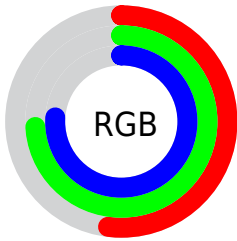
Format	Color
R _{YB}	133, 162, 194
Decimal	8764866
CIE Lab	73.07, -16.86, -8.38
CIE LCh	73, 18.830, 206.412
Yxy	45.2768, 0.2673, 0.3218
Android (android.graphics.Color)	4286954946 (0xFF85BDC2)
YUV	172.8260, 10.4388, -34.9274
Hunter-Lab	67.2880, -17.9866, -3.8396

Details

The Yxy color **45.2768, 0.2673, 0.3218** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.3470, 0.3814, 0.3360**, and the grayscale version is **41.6553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8983, 0.2757, 0.3235**, and **21.2072, 0.2550, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **43.1591, 0.2550, 0.3192**, and if you desaturate by 10%, it is **47.6974, 0.2808, 0.3243**.

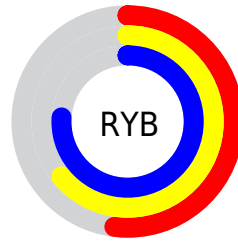
Distribution



Red (52%)

Green (74%)

Blue (76%)



Red (52%)

Yellow (64%)

Blue (76%)

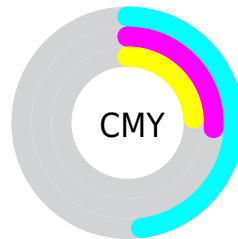


Cyan (31%)

Magenta (3%)

Yellow (0%)

Black (24%)



Cyan (48%)


Magenta (26%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2768, 0.2673, 0.3218 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 45.2768, 0.2673, 0.3218 by changing the saturation by 10% instead.


 45.2768, 0.2673,
0.3218


 45.2768, 0.2673,
0.3218


367.8935, 0.2898,
0.3258

 31.6755, 0.2618,
0.3207


 83.1356, 0.2754,
0.3233

 21.1138, 0.2547,
0.3192


 108.1619, 0.2785,
0.3239

 13.2072, 0.2454,
0.3171


 137.7654, 0.2811,
0.3243

 7.5714, 0.2325,
0.3139

172.3304, 0.2833,
0.3247

 3.8219, 0.2138,
0.3086

212.2413, 0.2853,
0.3251

 1.5745, 0.1841,
0.2988

257.8825, 0.2870,

 0.3403, 0.0000,

0.3253

0.2625

309.6384, 0.2885,
0.3256

0.0000, 0.0000,
0.0000

45.2768, 0.2673,
0.3218

45.2768, 0.2673,
0.3218

43.1591, 0.2550,
0.3192

47.6974, 0.2808,
0.3243

41.3227, 0.2443,
0.3165

50.4303, 0.2953,
0.3266

39.7519, 0.2352,
0.3137

53.4912, 0.3105,
0.3287

38.4268, 0.2281,
0.3109

56.8932, 0.3260,
0.3306

37.3249, 0.2228,
0.3081

60.6485, 0.3416,
0.3324

■ 36.4195, 0.2194,
0.3053

■ 64.7688, 0.3572,
0.3339

■ 35.7585, 0.2175,
0.3029

■ 66.5518, 0.3614,
0.3355

■ 67.2967, 0.3610,
0.3372

■ 68.0493, 0.3606,
0.3388

Harmonies

Analogous

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



45.2768, 0.2837, 0.3470



45.2768, 0.2673, 0.3218



45.2768, 0.2626, 0.3000

Triad

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



45.2768, 0.2673, 0.3218



45.2768, 0.3155, 0.2943



45.2768, 0.3559, 0.3710

Complementary

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



45.2768, 0.2673, 0.3218



31.3470, 0.3814, 0.3360

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.



45.2768, 0.3655, 0.3549



45.2768, 0.2673, 0.3218



45.2768, 0.3416, 0.3114

Square

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



45.2768, 0.2673, 0.3218



45.2768, 0.2895, 0.2855



45.2768, 0.3603, 0.3332



45.2768, 0.3347, 0.3763

Rectangle

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



45.2768, 0.2673, 0.3218



45.2768, 0.2665, 0.2903



45.2768, 0.3603, 0.3332



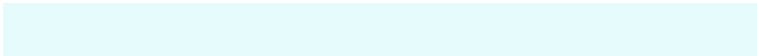
45.2768, 0.3606, 0.3666

Sweetspot

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



45.2786, 0.2673, 0.3218



92.5668, 0.2988, 0.3271



45.3902, 0.3057, 0.4143



20.0978, 0.2966, 0.3268



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.



45.2786, 0.2673, 0.3218



79.2101, 0.2584, 0.3200



33.8292, 0.2622, 0.2782



11.2820, 0.2984, 0.3270



23.5598, 0.2176, 0.3033



1.0606, 0.2193, 0.3095

Inverse Universe

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



31.9189, 0.3213, 0.2575



51.2962, 0.3236, 0.2416



41.0160, 0.3694, 0.3749



10.2328, 0.3150, 0.3081



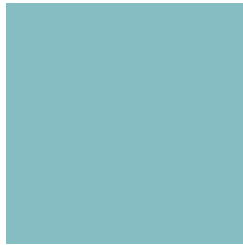
9.6606, 0.3425, 0.1660



0.4217, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 45.2768, 0.2673, 0.3218 looks on a white background.

Color Contrast Check

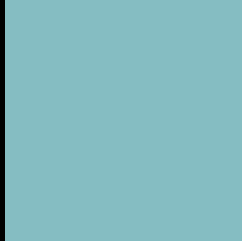
Large Text (above 18pt) WCAG AA × Fail

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 45.2768, 0.2673, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

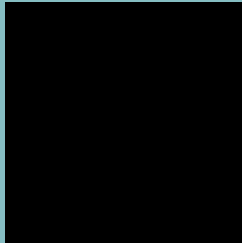
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2768, 0.2673, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 45.2768, 0.2673, 0.3218.



This preview shows how white text looks on a background with the Yxy color 45.2768, 0.2673, 0.3218.

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

45.2768, 0.2673, 0.3218

Protanopia

45.0124, 0.3064, 0.3172

Deuteranopia

44.9947, 0.3063, 0.2999



Tritanopia

45.4291, 0.2629, 0.3082

Trichromacy



Original Color

45.2768, 0.2673, 0.3218

Protanomaly

44.8550, 0.2902, 0.3181

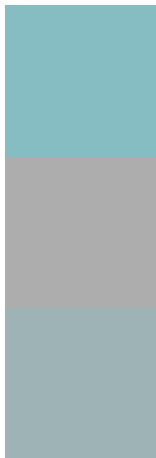
Deuteranomaly

44.5506, 0.2905, 0.3064

Tritanomaly

45.2049, 0.2641, 0.3122

Monochromacy



Original Color

45.2768, 0.2673, 0.3218

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8455, 0.2936, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2768, 0.2673, 0.3218 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(133, 189, 194)` looks like.

```
.text, #text, p{  
    color:rgb(133, 189, 194)  
}
```

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(133, 189, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 189, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.2768, 0.2673, 0.3218 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(133, 189, 194) }
```

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

```
.border{ border-color:rgb(133, 189, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 189, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 189, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 189, 194);  
box-shadow:4px 4px 4px 4px rgb(133, 189,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2768, 0.2673, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 189, 194) }
```

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

```
.background{ background-color: rgb(133,  
189, 194) }
```

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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