

Converting Colors

$Y_{xy}(45.2221, 0.2860, 0.3345)$

Have a look what the booklet for
Yxy(45.2221, 0.2860, 0.3345)
contains.

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Color

Yxy(45.3491, 0.2855, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	95BBB7
RGB	149, 187, 183
RGB Percent	58%, 73%, 72%
CMY	0.4159, 0.2666, 0.2823
CMYK	0.20, 0.00, 0.02, 0.27
HSL	174°, 22%, 66%
HSV	174°, 20%, 73%
XYZ	38.7060, 45.3491, 51.5177
YIQ	175.1820, -21.3640, -9.3000

Conversions

Conversions Part 2

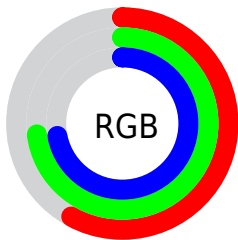
Format	Color
R _Y B	149, 169, 187
Decimal	9812919
CIE Lab	73.12, -13.53, -2.19
CIE LCh	73, 13.709, 189.187
Yxy	45.3491, 0.2855, 0.3345
Android (android.graphics.Color)	4288002999 (0xFF95BBB7)
YUV	175.1820, 3.8543, -22.9616
Hunter-Lab	67.3417, -15.2515, 1.7813

Details

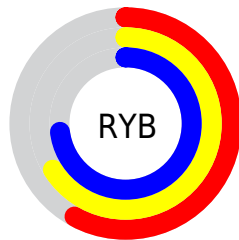
The Yxy color **45.3491, 0.2855, 0.3345** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3449, 0.3485, 0.3236**, and the grayscale version is **42.9535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1705, 0.2906, 0.3332**, and **21.2033, 0.2776, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **43.6502, 0.2735, 0.3376**, and if you desaturate by 10%, it is **47.3353, 0.2985, 0.3317**.

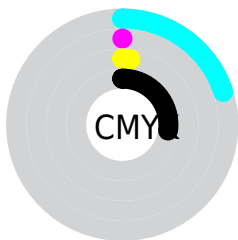
Distribution



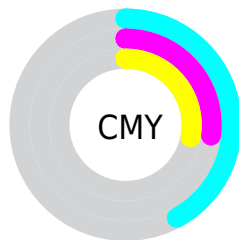
- Red (58%)
- Green (73%)
- Blue (72%)



- Red (58%)
- Yellow (66%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)





- Cyan (42%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3491, 0.2855, 0.3345 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 45.3491, 0.2855, 0.3345 by changing the saturation by 10% instead.


 45.3491, 0.2855,
0.3345


 45.3491, 0.2855,
0.3345


368.1856, 0.2991,
0.3318

 31.7325, 0.2821,
0.3351


 83.2440, 0.2904,
0.3336

 21.1573, 0.2777,
0.3359


 108.2911, 0.2923,
0.3332

 13.2390, 0.2719,
0.3370


137.9172, 0.2939,
0.3329

 7.5933, 0.2638,
0.3384

172.5066, 0.2952,
0.3326

 3.8358, 0.2517,
0.3404

212.4437, 0.2964,
0.3324

 1.5822, 0.2318,
0.3433

258.1130, 0.2974,

 0.3455, 0.0000,

0.3322

0.3950

309.8988, 0.2983,
0.3320

0.0000, 0.0000,
0.0000

45.3491, 0.2855,
0.3345

45.3491, 0.2855,
0.3345

43.6502, 0.2735,
0.3376

47.3353, 0.2985,
0.3317

42.2196, 0.2627,
0.3408

49.6157, 0.3122,
0.3291

41.0444, 0.2534,
0.3442

52.2041, 0.3264,
0.3267

40.1089, 0.2459,
0.3477

55.1115, 0.3407,
0.3247

39.3953, 0.2402,
0.3513

58.3486, 0.3550,
0.3228

■ 38.8833, 0.2364,
0.3549

■ 60.7383, 0.3639,
0.3210

■ 38.5491, 0.2344,
0.3585

■ 60.8278, 0.3622,
0.3190

■ 38.3492, 0.2339,
0.3620

■ 60.9184, 0.3605,
0.3170

■ 61.0102, 0.3589,
0.3149

Harmonies

Analogous

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



45.3491, 0.3015, 0.3512



45.3491, 0.2855, 0.3345



45.3491, 0.2767, 0.3167

Triad

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



45.3491, 0.2855, 0.3345



45.3491, 0.3036, 0.2988



45.3491, 0.3493, 0.3539

Complementary

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



45.3491, 0.2855, 0.3345



34.3449, 0.3485, 0.3236

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.



45.3491, 0.3501, 0.3394



45.3491, 0.2855, 0.3345



45.3491, 0.3233, 0.3082

Square

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



45.3491, 0.2855, 0.3345



45.3491, 0.2869, 0.2968



45.3491, 0.3404, 0.3228



45.3491, 0.3385, 0.3623

Rectangle

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



45.3491, 0.2855, 0.3345



45.3491, 0.2760, 0.3069



45.3491, 0.3404, 0.3228



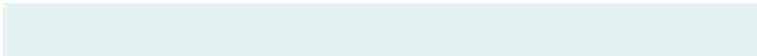
45.3491, 0.3508, 0.3496

Sweetspot

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



45.3510, 0.2855, 0.3345



86.4348, 0.3043, 0.3305



44.5256, 0.3138, 0.3838



18.9764, 0.3034, 0.3307



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.



45.3510, 0.2855, 0.3345



79.9210, 0.2805, 0.3357



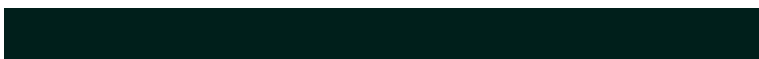
39.6402, 0.2814, 0.3083



10.7918, 0.2999, 0.3314



26.4249, 0.2338, 0.3615



1.0401, 0.2314, 0.3529

Inverse Universe

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



34.3449, 0.3485, 0.3236



56.9758, 0.3576, 0.3225



39.1225, 0.3488, 0.3489



9.5522, 0.3272, 0.3266



7.3186, 0.6259, 0.3222



0.2922, 0.5814, 0.2976

Previews

White Background



This preview shows how the Yxy color 45.3491, 0.2855, 0.3345 looks on a white background.

Color Contrast Check

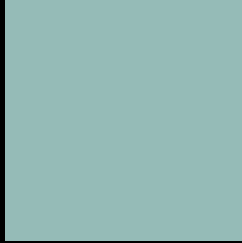
Large Text (above 18pt) WCAG AA × Fail

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 45.3491, 0.2855, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

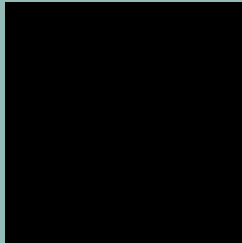
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

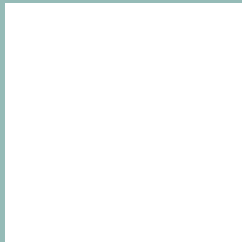
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3491, 0.2855, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 45.3491, 0.2855, 0.3345.



This preview shows how white text looks on a background with the Yxy color 45.3491, 0.2855, 0.3345.

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

45.3491, 0.2855, 0.3345

Protanopia

45.0002, 0.3162, 0.3290

Deuteranopia

45.1547, 0.3196, 0.3138



Tritanopia

45.4968, 0.2767, 0.3100

Trichromacy



Original Color

45.3491, 0.2855, 0.3345

Protanomaly

44.8891, 0.3042, 0.3303

Deuteranomaly

45.0901, 0.3063, 0.3211

Tritanomaly

45.5474, 0.2801, 0.3193

Monochromacy



Original Color

45.3491, 0.2855, 0.3345

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5615, 0.3024, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3491, 0.2855, 0.3345 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(149, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(149, 187, 183)  
}
```

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(149, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 187, 183) }
```

Border

The CSS property to change the border of an element to Yxy 45.3491, 0.2855, 0.3345 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(149, 187, 183) }
```

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

```
.border{ border-color:rgb(149, 187, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 187, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 187, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 187, 183);  
box-shadow:4px 4px 4px 4px rgb(149, 187,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3491, 0.2855, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 187, 183) }
```

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

```
.background{ background-color: rgb(149,  
187, 183) }
```

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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