

Converting Colors

$Y_{xy}(46.0364, 0.2896, 0.3346)$

Have a look what the booklet for
Yxy(46.0364, 0.2896, 0.3346)
contains.

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Color

Yxy(45.9281, 0.2901, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	9BBBB7
RGB	155, 187, 183
RGB Percent	61%, 73%, 72%
CMY	0.3919, 0.2667, 0.2823
CMYK	0.17, 0.00, 0.02, 0.27
HSL	173°, 19%, 67%
HSV	173°, 17%, 73%
XYZ	39.8437, 45.9281, 51.5730
YIQ	176.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

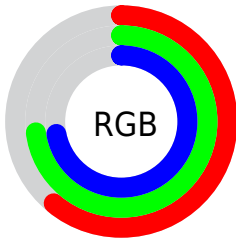
Format	Color
RYB	155, 172, 187
Decimal	10206135
CIELab	73.50, -11.57, -1.59
CIElCh	73, 11.674, 187.844
Yxy	45.9281, 0.2901, 0.3344
Android (android.graphics.Color)	4288396215 (0xFF9BBB7)
YUV	176.9760, 2.9698, -19.2730
Hunter-Lab	67.7703, -13.6537, 2.3197

Details

The Yxy color **45.9281, 0.2901, 0.3344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5282, 0.3410, 0.3237**, and the grayscale version is **43.9503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0348, 0.2942, 0.3332**, and **21.5455, 0.2835, 0.3366** is the 20% darker color. If you saturate the color by 10%, you get **44.1240, 0.2779, 0.3379**, and if you desaturate by 10%, it is **48.0241, 0.3031, 0.3311**.

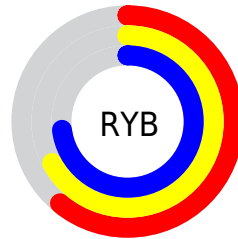
Distribution



Red (61%)

Green (73%)

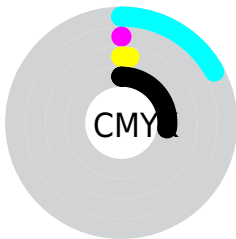
Blue (72%)



Red (61%)

Yellow (67%)

Blue (73%)

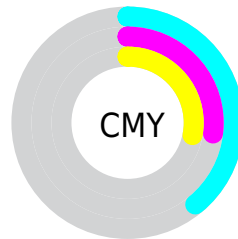


Cyan (17%)

Magenta (0%)

Yellow (2%)

Black (27%)



Cyan (39%)


Magenta (27%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9281, 0.2901, 0.3344 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 45.9281, 0.2901, 0.3344 by changing the saturation by 10% instead.

 45.9281, 0.2901,
0.3344

 45.9281, 0.2901,
0.3344


370.5195, 0.3014,
0.3318

 32.1891, 0.2873,
0.3350


 84.1114, 0.2942,
0.3335

 21.5060, 0.2837,
0.3359


 109.3244, 0.2957,
0.3331

 13.4943, 0.2788,
0.3369


139.1310, 0.2970,
0.3328

 7.7698, 0.2721,
0.3384

173.9154, 0.2982,
0.3325

 3.9480, 0.2621,
0.3405

214.0620, 0.2991,
0.3323

 1.6445, 0.2455,
0.3438

259.9553, 0.3000,

 0.3873, 0.0853,

0.3321

0.3849

311.9797, 0.3007,
0.3319

0.0000, 0.0000,
0.0000

45.9281, 0.2901,
0.3344

45.9281, 0.2901,
0.3344

44.1240, 0.2779,
0.3379

48.0241, 0.3031,
0.3311

42.5930, 0.2669,
0.3417

50.4187, 0.3167,
0.3282

41.3228, 0.2573,
0.3457

53.1253, 0.3307,
0.3255

40.2979, 0.2493,
0.3499

56.1548, 0.3447,
0.3231

39.5014, 0.2431,
0.3542

59.5178, 0.3586,
0.3210

■ 38.9138, 0.2388,
0.3585

■ 60.8268, 0.3620,
0.3188

■ 38.5127, 0.2364,
0.3628

■ 60.9342, 0.3601,
0.3164

■ 38.2667, 0.2357,
0.3671

■ 61.0434, 0.3581,
0.3140

■ 38.2069, 0.2357,
0.3683

■ 61.1542, 0.3561,
0.3116

Harmonies

Analogous

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



45.9281, 0.3040, 0.3483



45.9281, 0.2901, 0.3344



45.9281, 0.2823, 0.3193

Triad

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



45.9281, 0.2901, 0.3344



45.9281, 0.3043, 0.3030



45.9281, 0.3440, 0.3498

Complementary

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



45.9281, 0.2901, 0.3344



36.5282, 0.3410, 0.3237

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.



45.9281, 0.3442, 0.3373



45.9281, 0.2901, 0.3344



45.9281, 0.3210, 0.3108

Square

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



45.9281, 0.2901, 0.3344



45.9281, 0.2903, 0.3017



45.9281, 0.3357, 0.3232



45.9281, 0.3352, 0.3571

Rectangle

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



45.9281, 0.2901, 0.3344



45.9281, 0.2814, 0.3108



45.9281, 0.3357, 0.3232



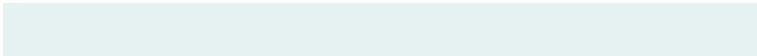
45.9281, 0.3450, 0.3460

Sweetspot

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



45.9300, 0.2901, 0.3344



86.8345, 0.3058, 0.3305



45.3078, 0.3141, 0.3740



19.0586, 0.3049, 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.



45.9300, 0.2901, 0.3344



81.1651, 0.2860, 0.3355



41.3304, 0.2865, 0.3126



10.7886, 0.3001, 0.3319



26.3352, 0.2355, 0.3678



1.0374, 0.2327, 0.3575

Inverse Universe

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



36.5282, 0.3410, 0.3237



61.5782, 0.3477, 0.3226



40.4828, 0.3423, 0.3448



9.5552, 0.3269, 0.3262



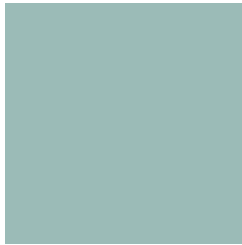
7.3286, 0.6225, 0.3203



0.2935, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 45.9281, 0.2901, 0.3344 looks on a white background.

Color Contrast Check

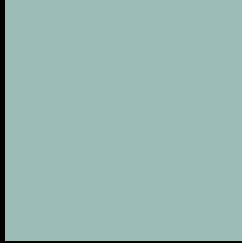
Large Text (above 18pt) WCAG AA × Fail

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 45.9281, 0.2901, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

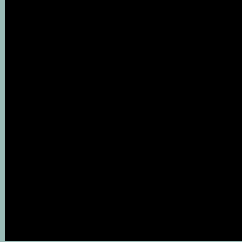
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

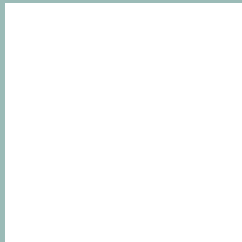
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9281, 0.2901, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 45.9281, 0.2901, 0.3344.

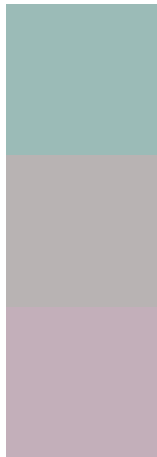


This preview shows how white text looks on a background with the Yxy color 45.9281, 0.2901, 0.3344.

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

45.9281, 0.2901, 0.3344

Protanopia

45.6852, 0.3171, 0.3290

Deuteranopia

45.8072, 0.3213, 0.3152



Tritanopia

46.0905, 0.2811, 0.3102

Trichromacy



Original Color

45.9281, 0.2901, 0.3344

Protanomaly

45.6354, 0.3067, 0.3317

Deuteranomaly

45.4463, 0.3088, 0.3211

Tritanomaly

46.1362, 0.2845, 0.3195

Monochromacy



Original Color

45.9281, 0.2901, 0.3344

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.7374, 0.3041, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9281, 0.2901, 0.3344 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(155, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 187, 183) }
```

Border

The CSS property to change the border of an element to Yxy 45.9281, 0.2901, 0.3344 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(155, 187, 183) }
```

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

```
.border{ border-color:rgb(155, 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(155, 187, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 187, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 187, 183);  
box-shadow:4px 4px 4px 4px rgb(155, 187,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9281, 0.2901, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 187, 183) }
```

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

```
.background{ background-color: rgb(155,  
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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