

Converting Colors

$Yxy(47.6298, 0.2896, 0.3596)$

Have a look what the booklet for
Yxy(47.6298, 0.2896, 0.3596)
contains.

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Color

Yxy(47.5300, 0.2892, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	90C2AD
RGB	144, 194, 173
RGB Percent	56%, 76%, 68%
CMY	0.4354, 0.2392, 0.3216
CMYK	0.26, 0.00, 0.11, 0.24
HSL	155°, 29%, 66%
HSV	155°, 26%, 76%
XYZ	38.3315, 47.5300, 46.6817
YIQ	176.6560, -23.0590, -17.1310

Conversions

Conversions Part 2

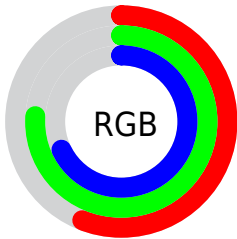
Format	Color
RYB	144, 176, 194
Decimal	9487021
CIELab	74.53, -20.79, 5.27
CIElCh	75, 21.453, 165.770
Yxy	47.5300, 0.2892, 0.3586
Android (android.graphics.Color)	4287677101 (0xFF90C2AD)
YUV	176.6560, -1.8024, -28.6393
Hunter-Lab	68.9420, -21.4032, 8.1132

Details

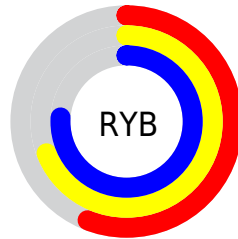
The Yxy color **47.5300, 0.2892, 0.3586** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.1260, 0.3444, 0.3013**, and the grayscale version is **43.7931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7379, 0.2939, 0.3538**, and **22.4120, 0.2819, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **45.6269, 0.2811, 0.3722**, and if you desaturate by 10%, it is **49.7565, 0.2980, 0.3462**.

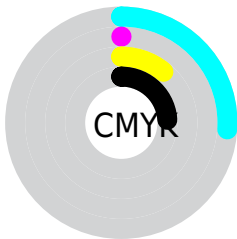
Distribution



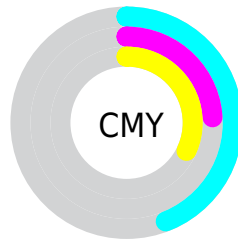
- Red (56%)
- Green (76%)
- Blue (68%)



- Red (56%)
- Yellow (69%)
- Blue (76%)



- Cyan (26%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)





- Cyan (44%)
- Magenta (24%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5300, 0.2892, 0.3586 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 47.5300, 0.2892, 0.3586 by changing the saturation by 10% instead.


 47.5300, 0.2892,
0.3586


 47.5300, 0.2892,
0.3586

376.9261, 0.3011,
0.3436

 33.4548, 0.2862,
0.3624


 86.5042, 0.2935,
0.3531

 22.4751, 0.2823,
0.3674


 112.1720, 0.2952,
0.3510

 14.2064, 0.2772,
0.3741

142.4729, 0.2965,
0.3493

 8.2644, 0.2699,
0.3837

177.7911, 0.2977,
0.3478

 4.2646, 0.2589,
0.3984

218.5112, 0.2987,
0.3465

 1.8226, 0.2403,
0.4236

265.0175, 0.2996,

 0.5012, 0.0000,

0.3454

0.7390

317.6943, 0.3004,
0.3444

0.0000, 0.0000,
0.0000

47.5300, 0.2892,
0.3586

47.5300, 0.2892,
0.3586

45.6269, 0.2811,
0.3722

49.7565, 0.2980,
0.3462

44.0256, 0.2741,
0.3867

52.3150, 0.3073,
0.3350

42.7110, 0.2684,
0.4022

55.2212, 0.3167,
0.3249

41.6642, 0.2643,
0.4183

58.4880, 0.3262,
0.3160

40.8642, 0.2622,
0.4347

62.1276, 0.3355,
0.3081

■ 40.2864, 0.2620,
0.4510

■ 65.1168, 0.3404,
0.3007

■ 39.9003, 0.2638,
0.4669

■ 65.5643, 0.3340,
0.2927

■ 39.7693, 0.2649,
0.4735

■ 66.0332, 0.3278,
0.2849

■ 66.5239, 0.3218,
0.2772

Harmonies

Analogous

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



47.5300, 0.3183, 0.3778



47.5300, 0.2892, 0.3586



47.5300, 0.2671, 0.3308

Triad

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



47.5300, 0.2892, 0.3586



47.5300, 0.2780, 0.2798



47.5300, 0.3718, 0.3494

Complementary

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



47.5300, 0.2892, 0.3586



34.1260, 0.3444, 0.3013

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.



47.5300, 0.3601, 0.3246



47.5300, 0.2892, 0.3586



47.5300, 0.3049, 0.2857

Square

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



47.5300, 0.2892, 0.3586



47.5300, 0.2609, 0.2860



47.5300, 0.3352, 0.3018



47.5300, 0.3667, 0.3706

Rectangle

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



47.5300, 0.2892, 0.3586



47.5300, 0.2589, 0.3123



47.5300, 0.3352, 0.3018



47.5300, 0.3697, 0.3413

Sweetspot

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



47.5320, 0.2892, 0.3586



93.6316, 0.3051, 0.3375



48.6711, 0.3269, 0.3979



20.3448, 0.3036, 0.3392



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.



47.5320, 0.2892, 0.3586



84.0688, 0.2845, 0.3662



46.9425, 0.2749, 0.3243



11.3546, 0.3039, 0.3388



26.1606, 0.2643, 0.4714



1.1438, 0.2545, 0.4361

Inverse Universe

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



34.1260, 0.3444, 0.3013



55.6339, 0.3538, 0.2949



34.4475, 0.3658, 0.3336



10.1465, 0.3225, 0.3194



7.9520, 0.5270, 0.2677



0.3573, 0.4699, 0.2362

Previews

White Background



This preview shows how the Yxy color 47.5300, 0.2892, 0.3586 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 47.5300, 0.2892, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

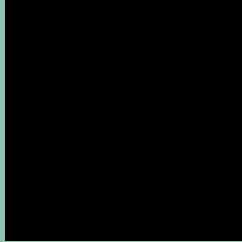
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

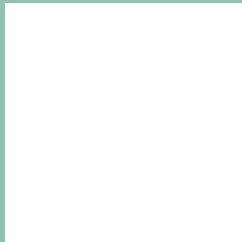
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.5300, 0.2892, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 47.5300, 0.2892, 0.3586.



This preview shows how white text looks on a background with the Yxy color 47.5300, 0.2892, 0.3586.

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

47.5300, 0.2892, 0.3586

Protanopia

47.1931, 0.3318, 0.3485

Deuteranopia

47.3151, 0.3358, 0.3291



Tritanopia

47.2870, 0.2718, 0.3075

Trichromacy



Original Color

47.5300, 0.2892, 0.3586

Protanomaly

46.8666, 0.3150, 0.3519

Deuteranomaly

46.9466, 0.3174, 0.3382

Tritanomaly

47.4078, 0.2784, 0.3262

Monochromacy



Original Color

47.5300, 0.2892, 0.3586

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.0009, 0.3031, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5300, 0.2892, 0.3586 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(144, 194, 173)` looks like.

```
.text, #text, p{  
    color:rgb(144, 194, 173)  
}
```

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(144, 194, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 194, 173) }
```

Border

The CSS property to change the border of an element to Yxy 47.5300, 0.2892, 0.3586 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(144, 194, 173) }
```

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

```
.border{ border-color:rgb(144, 194, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 194, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 194, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 194, 173);  
box-shadow:4px 4px 4px 4px rgb(144, 194,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5300, 0.2892, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 194, 173) }
```

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

```
.background{ background-color: rgb(144,  
194, 173) }
```

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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