

Converting Colors

$Y_{xy}(46.9326, 0.2989, 0.3314)$

Have a look what the booklet for
Yxy(46.9326, 0.2989, 0.3314)
contains.

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Color

Yxy(46.9033, 0.2995, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	A8BAB8
RGB	168, 186, 184
RGB Percent	66%, 73%, 72%
CMY	0.3411, 0.2706, 0.2783
CMYK	0.10, 0.00, 0.01, 0.27
HSL	173°, 12%, 69%
HSV	173°, 10%, 73%
XYZ	42.3629, 46.9033, 52.1792
YIQ	180.3900, -10.0860, -4.4380

Conversions

Conversions Part 2

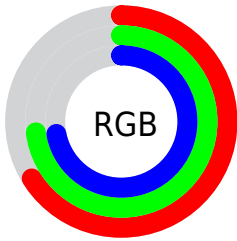
Format	Color
R_{YB}	168, 178, 186
Decimal	11057848
CIE _{Lab}	74.13, -6.55, -1.12
CIE _{LCh}	74, 6.645, 189.679
Yxy	46.9033, 0.2995, 0.3316
Android (android.graphics.Color)	4289247928 (0xFFA8BAB8)
YUV	180.3900, 1.7797, -10.8660
Hunter-Lab	68.4860, -9.4370, 2.7674

Details

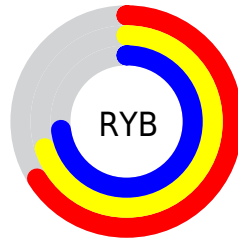
The Yxy color **46.9033, 0.2995, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.3516, 0.3277, 0.3264**, and the grayscale version is **45.8593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4835, 0.3017, 0.3310**, and **22.1268, 0.2960, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **44.9223, 0.2865, 0.3345**, and if you desaturate by 10%, it is **49.1815, 0.3132, 0.3289**.

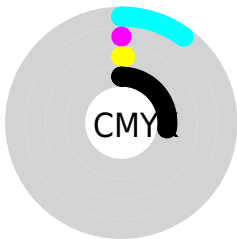
Distribution



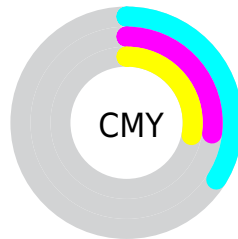
- Red (66%)
- Green (73%)
- Blue (72%)



- Red (66%)
- Yellow (70%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (34%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9033, 0.2995, 0.3316 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 46.9033, 0.2995, 0.3316 by changing the saturation by 10% instead.

■ 46.9033, 0.2995,
0.3316

■ 46.9033, 0.2995,
0.3316

374.4284, 0.3061,
0.3303

■ 32.9592, 0.2979,
0.3319

■ 85.5693, 0.3019,
0.3311

■ 22.0952, 0.2958,
0.3323

■ 111.0599, 0.3028,
0.3310

■ 13.9269, 0.2930,
0.3328

141.1682, 0.3036,
0.3308

■ 8.0698, 0.2890,
0.3335

176.2786, 0.3042,
0.3307

■ 4.1397, 0.2832,
0.3346

216.7754, 0.3048,
0.3306

■ 1.7520, 0.2736,
0.3362

263.0431, 0.3053,

■ 0.4570, 0.2100,

0.3305

0.3496

315.4659, 0.3057,
0.3304

0.0000, 0.0000,
0.0000

46.9033, 0.2995,
0.3316

46.9033, 0.2995,
0.3316

44.9223, 0.2865,
0.3345

49.1815, 0.3132,
0.3289

43.2203, 0.2744,
0.3377

51.7625, 0.3273,
0.3265

41.7860, 0.2636,
0.3411

54.6593, 0.3415,
0.3243

40.6050, 0.2543,
0.3447

57.8824, 0.3557,
0.3224

39.6619, 0.2466,
0.3483

60.2832, 0.3646,
0.3206

■ 38.9392, 0.2408,
0.3521

■ 60.3758, 0.3629,
0.3184

■ 38.4172, 0.2370,
0.3559

■ 60.4698, 0.3611,
0.3163

■ 38.0726, 0.2349,
0.3596

■ 60.5650, 0.3594,
0.3142

■ 37.8605, 0.2343,
0.3634

■ 60.6614, 0.3576,
0.3121

Harmonies

Analogous

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



46.9033, 0.3073, 0.3394



46.9033, 0.2995, 0.3316



46.9033, 0.2952, 0.3232

Triad

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



46.9033, 0.2995, 0.3316



46.9033, 0.3086, 0.3143



46.9033, 0.3301, 0.3412

Complementary

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



46.9033, 0.2995, 0.3316



41.3516, 0.3277, 0.3264

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.



46.9033, 0.3305, 0.3344



46.9033, 0.2995, 0.3316



46.9033, 0.3180, 0.3190

Square

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



46.9033, 0.2995, 0.3316



46.9033, 0.3004, 0.3134



46.9033, 0.3261, 0.3263



46.9033, 0.3250, 0.3449

Rectangle

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



46.9033, 0.2995, 0.3316



46.9033, 0.2949, 0.3185



46.9033, 0.3261, 0.3263



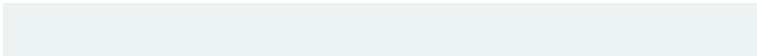
46.9033, 0.3308, 0.3392

Sweetspot

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



46.9053, 0.2995, 0.3316



87.6903, 0.3085, 0.3298



46.5035, 0.3133, 0.3534



19.2361, 0.3074, 0.3300



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.



46.9053, 0.2995, 0.3316



84.0615, 0.2961, 0.3323



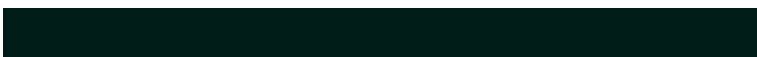
44.1538, 0.2980, 0.3197



10.1932, 0.3000, 0.3315



25.4743, 0.2342, 0.3630



0.9029, 0.2315, 0.3533

Inverse Universe

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



41.3516, 0.3277, 0.3264



71.5779, 0.3321, 0.3257



43.8910, 0.3284, 0.3381



9.0278, 0.3271, 0.3265



7.0639, 0.6249, 0.3216



0.2543, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 46.9033, 0.2995, 0.3316 looks on a white background.

Color Contrast Check

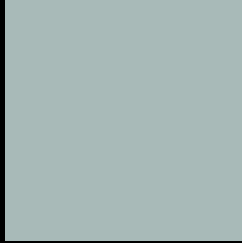
Large Text (above 18pt) WCAG AA × Fail

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 46.9033, 0.2995, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

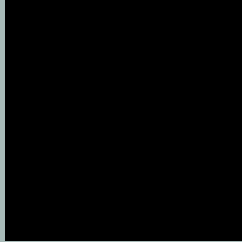
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

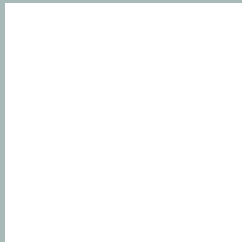
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9033, 0.2995, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 46.9033, 0.2995, 0.3316.

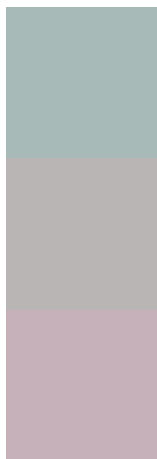


This preview shows how white text looks on a background with the Yxy color 46.9033, 0.2995, 0.3316.

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

46.9033, 0.2995, 0.3316

Protanopia

46.6982, 0.3161, 0.3290

Deuteranopia

46.6016, 0.3239, 0.3166



Tritanopia

46.9042, 0.2908, 0.3107

Trichromacy



Original Color

46.9033, 0.2995, 0.3316

Protanomaly

46.8281, 0.3101, 0.3303

Deuteranomaly

46.7101, 0.3147, 0.3226

Tritanomaly

46.9832, 0.2937, 0.3184

Monochromacy



Original Color

46.9033, 0.2995, 0.3316

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.0222, 0.3084, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9033, 0.2995, 0.3316 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(168, 186, 184)` looks like.

```
.text, #text, p{  
    color:rgb(168, 186, 184)  
}
```

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(168, 186, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 186, 184) }
```

Border

The CSS property to change the border of an element to Yxy 46.9033, 0.2995, 0.3316 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(168, 186, 184) }
```

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

```
.border{ border-color:rgb(168, 186, 184) }
```

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

Here you see how a box with a 4 pixel rgb(168, 186, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 186, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 186, 184);  
box-shadow:4px 4px 4px 4px rgb(168, 186,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9033, 0.2995, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 186, 184) }
```

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

```
.background{ background-color: rgb(168,  
186, 184) }
```

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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