

Converting Colors

$Y_{xy}(46.7767, 0.2989, 0.3314)$

Have a look what the booklet for
Yxy(46.7767, 0.2989, 0.3314)
contains.

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Color

Yxy(46.7940, 0.2987, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	A7BAB8
RGB	167, 186, 184
RGB Percent	65%, 73%, 72%
CMY	0.3450, 0.2706, 0.2783
CMYK	0.10, 0.00, 0.01, 0.27
HSL	174°, 12%, 69%
HSV	174°, 10%, 73%
XYZ	42.1513, 46.7940, 52.1705
YIQ	180.0910, -10.6820, -4.6500

Conversions

Conversions Part 2

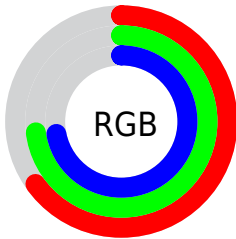
Format	Color
RYB	167, 177, 186
Decimal	10992312
CIELab	74.06, -6.89, -1.23
CIELCh	74, 6.994, 190.123
Yxy	46.7940, 0.2987, 0.3316
Android (android.graphics.Color)	4289182392 (0xFFA7BAB8)
YUV	180.0910, 1.9271, -11.4808
Hunter-Lab	68.4061, -9.7205, 2.6663

Details

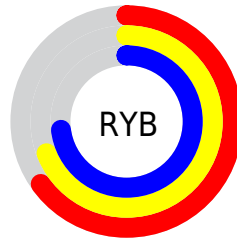
The Yxy color **46.7940, 0.2987, 0.3316** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.9466, 0.3287, 0.3264**, and the grayscale version is **45.6899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3251, 0.3011, 0.3310**, and **22.0586, 0.2949, 0.3326** is the 20% darker color. If you saturate the color by 10%, you get **44.8329, 0.2857, 0.3344**, and if you desaturate by 10%, it is **49.0515, 0.3124, 0.3291**.

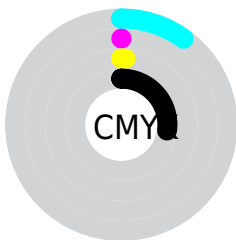
Distribution



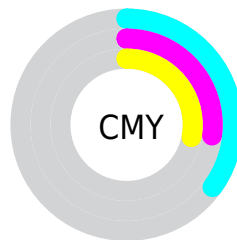
- Red (65%)
- Green (73%)
- Blue (72%)



- Red (65%)
- Yellow (69%)
- Blue (73%)



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





- Cyan (35%)
- Magenta (27%)
- Yellow (28%)
- Black (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7940, 0.2987, 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 46.7940, 0.2987, 0.3316 by changing the saturation by 10% instead.


 46.7940, 0.2987,
0.3316

 46.7940, 0.2987,
0.3316

373.9917, 0.3057,
0.3303

 32.8728, 0.2970,
0.3319


 85.4060, 0.3012,
0.3311

 22.0290, 0.2947,
0.3323


 110.8657, 0.3022,
0.3310

 13.8782, 0.2918,
0.3328


140.9403, 0.3030,
0.3308

 8.0360, 0.2876,
0.3335

176.0143, 0.3037,
0.3307

 4.1180, 0.2814,
0.3345

216.4721, 0.3043,
0.3306

 1.7398, 0.2712,
0.3361

262.6979, 0.3048,

 0.4492, 0.2018,

0.3305

0.3501

315.0763, 0.3053,
0.3304

0.0000, 0.0000,
0.0000

46.7940, 0.2987,
0.3316

46.7940, 0.2987,
0.3316

44.8329, 0.2857,
0.3344

49.0515, 0.3124,
0.3291

43.1500, 0.2736,
0.3374

51.6111, 0.3266,
0.3267

41.7338, 0.2628,
0.3406

54.4858, 0.3409,
0.3247

40.5702, 0.2535,
0.3440

57.6862, 0.3552,
0.3229

39.6433, 0.2459,
0.3474

60.2583, 0.3651,
0.3211

■ 38.9357, 0.2402,
0.3510

■ 60.3456, 0.3634,
0.3191

■ 38.4276, 0.2364,
0.3546

■ 60.4340, 0.3618,
0.3171

■ 38.0954, 0.2344,
0.3581

■ 60.5236, 0.3601,
0.3151

■ 37.8943, 0.2338,
0.3615

■ 60.6143, 0.3585,
0.3131

Harmonies

Analogous

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



46.7940, 0.3069, 0.3398



46.7940, 0.2987, 0.3316



46.7940, 0.2943, 0.3228

Triad

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



46.7940, 0.2987, 0.3316



46.7940, 0.3085, 0.3136



46.7940, 0.3310, 0.3420

Complementary

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



46.7940, 0.2987, 0.3316



40.9466, 0.3287, 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.



46.7940, 0.3315, 0.3348



46.7940, 0.2987, 0.3316



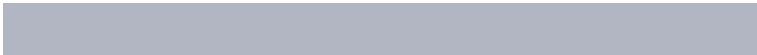
46.7940, 0.3184, 0.3185

Square

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



46.7940, 0.2987, 0.3316



46.7940, 0.2999, 0.3125



46.7940, 0.3269, 0.3263



46.7940, 0.3256, 0.3458

Rectangle

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



46.7940, 0.2987, 0.3316



46.7940, 0.2940, 0.3178



46.7940, 0.3269, 0.3263



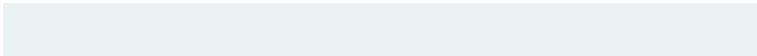
46.7940, 0.3318, 0.3399

Sweetspot

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



46.7960, 0.2987, 0.3316



87.6928, 0.3085, 0.3298



46.3682, 0.3134, 0.3548



19.2369, 0.3073, 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.



46.7960, 0.2987, 0.3316



84.0717, 0.2960, 0.3321



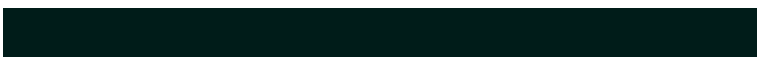
43.8912, 0.2972, 0.3191



10.1941, 0.2999, 0.3314



25.5013, 0.2336, 0.3611



0.9036, 0.2311, 0.3520

Inverse Universe

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



40.9466, 0.3287, 0.3264



71.5690, 0.3323, 0.3259



43.6149, 0.3294, 0.3387



9.0270, 0.3272, 0.3267



7.0610, 0.6259, 0.3222



0.2540, 0.5792, 0.2964

Previews

White Background



This preview shows how the Yxy color 46.7940, 0.2987, 0.3316 looks on a white background.

Color Contrast Check

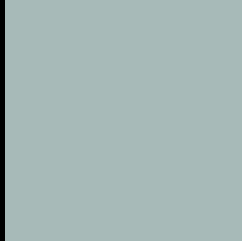
Large Text (above 18pt) WCAG AA × Fail

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 46.7940, 0.2987, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

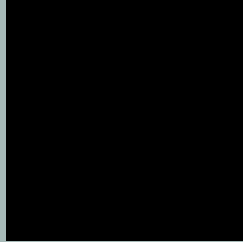
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

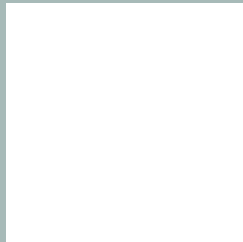
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7940, 0.2987, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 46.7940, 0.2987, 0.3316.

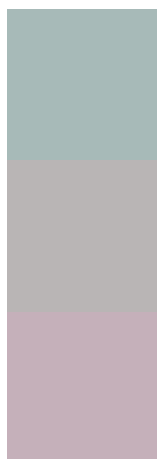


This preview shows how white text looks on a background with the Yxy color 46.7940, 0.2987, 0.3316.

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

46.7940, 0.2987, 0.3316

Protanopia

46.6982, 0.3161, 0.3290

Deuteranopia

46.4662, 0.3230, 0.3165



Tritanopia

46.9042, 0.2908, 0.3107

Trichromacy



Original Color

46.7940, 0.2987, 0.3316

Protanomaly

46.7093, 0.3093, 0.3303

Deuteranomaly

46.5844, 0.3139, 0.3226

Tritanomaly

46.9832, 0.2937, 0.3184

Monochromacy



Original Color

46.7940, 0.2987, 0.3316

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9061, 0.3076, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7940, 0.2987, 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(167, 186, 184)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 186, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 186, 184) }
```

Border

The CSS property to change the border of an element to Yxy 46.7940, 0.2987, 0.3316 is called "border". The border property can be set on classes, ids or directly on the HTML element.

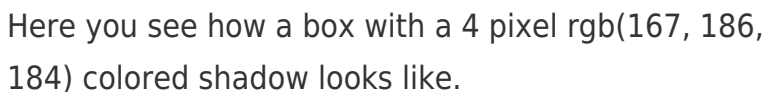
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 186, 184) }
```

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

```
.border{ border-color:rgb(167, 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(167, 186, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 186, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 186, 184); box-shadow:4px 4px 4px 4px rgb(167, 186, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7940, 0.2987, 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(167, 186, 184) }
```

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

```
.background{ background-color: rgb(167,  
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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