

Converting Colors

$Yxy(46.6033, 0.3037, 0.3428)$

Have a look what the booklet for
Yxy(46.6033, 0.3037, 0.3428)
contains.

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Color

Yxy(46.7822, 0.3038, 0.3439)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | A6BBB0 |
| RGB | 166, 187, 176 |
| RGB Percent | 65%, 73%, 69% |
| CMY | 0.3491, 0.2666, 0.3098 |
| CMYK | 0.11, 0.00, 0.06, 0.27 |
| HSL | 149°, 13%, 69% |
| HSV | 149°, 11%, 73% |
| XYZ | 41.3272, 46.7822, 47.9249 |
| YIQ | 179.4670, -8.9850, -7.8730 |

Conversions

Conversions Part 2

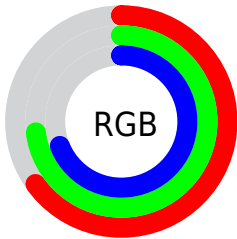
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 166, 180, 187 |
| Decimal | 10927024 |
| CIE _{Lab} | 74.05, -9.35, 3.12 |
| CIE _{LCh} | 74, 9.862, 161.534 |
| Yxy | 46.7822, 0.3038, 0.3439 |
| Android (android.graphics.Color) | 4289117104 (0xFFA6BBB0) |
| YUV | 179.4670, -1.7092, -11.8106 |
| Hunter-Lab | 68.3975, -11.8422, 6.3348 |

Details

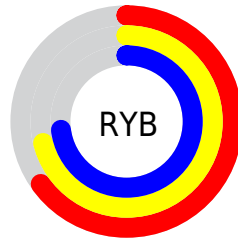
The Yxy color **46.7822, 0.3038, 0.3439** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.0006, 0.3227, 0.3146**, and the grayscale version is **45.3525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2995, 0.3051, 0.3405**, and **22.0828, 0.3008, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **44.5348, 0.2961, 0.3588**, and if you desaturate by 10%, it is **49.3554, 0.3117, 0.3306**.

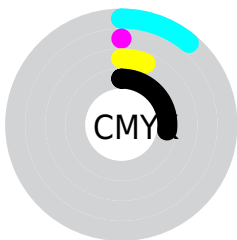
Distribution



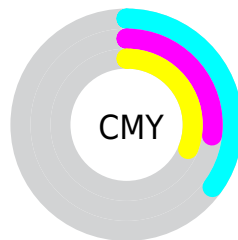
- Red (65%)
- Green (73%)
- Blue (69%)



- Red (65%)
- Yellow (71%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)




- Cyan (35%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7822, 0.3038, 0.3439 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 46.7822, 0.3038, 0.3439 by changing the saturation by 10% instead.


 46.7822, 0.3038,
0.3439

 46.7822, 0.3038,
0.3439

373.9445, 0.3083,
0.3364

 32.8635, 0.3027,
0.3458


 85.3884, 0.3054,
0.3411

 22.0219, 0.3012,
0.3483


 110.8447, 0.3061,
0.3401

 13.8730, 0.2992,
0.3516


140.9157, 0.3066,
0.3393

 8.0324, 0.2965,
0.3563

175.9858, 0.3070,
0.3385

 4.1157, 0.2922,
0.3634

216.4393, 0.3074,
0.3379

 1.7385, 0.2851,
0.3756

262.6606, 0.3077,

 0.4484, 0.2160,

0.3373

0.4895

315.0342, 0.3080,
0.3368

0.0000, 0.0000,
0.0000

46.7822, 0.3038,
0.3439

46.7822, 0.3038,
0.3439

44.5348, 0.2961,
0.3588

49.3554, 0.3117,
0.3306

42.5940, 0.2889,
0.3752

52.2608, 0.3197,
0.3187

40.9477, 0.2824,
0.3930

55.5122, 0.3275,
0.3083

39.5804, 0.2771,
0.4121

59.1208, 0.3352,
0.2991

38.4756, 0.2731,
0.4321

62.2388, 0.3389,
0.2906

■ 37.6147, 0.2708,
0.4526

■ 62.7882, 0.3312,
0.2811

■ 36.9764, 0.2705,
0.4729

■ 63.3687, 0.3236,
0.2719

■ 36.5357, 0.2721,
0.4925

■ 63.9808, 0.3164,
0.2630

■ 36.2698, 0.2746,
0.5087

■ 64.0261, 0.3158,
0.2624

Harmonies

Analogous

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



46.7822, 0.3176, 0.3516



46.7822, 0.3038, 0.3439



46.7822, 0.2926, 0.3320

Triad

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



46.7822, 0.3038, 0.3439



46.7822, 0.2951, 0.3058



46.7822, 0.3395, 0.3375

Complementary

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



46.7822, 0.3038, 0.3439



41.0006, 0.3227, 0.3146

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.



46.7822, 0.3332, 0.3256



46.7822, 0.3038, 0.3439



46.7822, 0.3074, 0.3076

Square

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



46.7822, 0.3038, 0.3439



46.7822, 0.2876, 0.3100



46.7822, 0.3214, 0.3148



46.7822, 0.3384, 0.3476

Rectangle

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



46.7822, 0.3038, 0.3439



46.7822, 0.2879, 0.3235



46.7822, 0.3214, 0.3148



46.7822, 0.3381, 0.3336

Sweetspot

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



46.7842, 0.3038, 0.3439



87.5117, 0.3103, 0.3328



47.6678, 0.3208, 0.3571



19.1865, 0.3096, 0.3339



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.



46.7842, 0.3038, 0.3439



82.5208, 0.3015, 0.3482



47.2081, 0.2962, 0.3299



10.7233, 0.3053, 0.3413



25.0008, 0.2740, 0.5065



0.9925, 0.2613, 0.4608

Inverse Universe

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



41.0006, 0.3227, 0.3146



69.6924, 0.3257, 0.3106



40.6048, 0.3319, 0.3281



9.6175, 0.3209, 0.3171



7.8997, 0.4837, 0.2438



0.3226, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 46.7822, 0.3038, 0.3439 looks on a white background.

Color Contrast Check

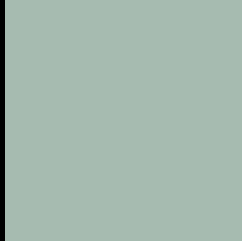
Large Text (above 18pt) WCAG AA × Fail

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 46.7822, 0.3038, 0.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

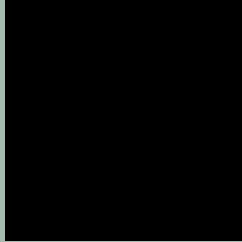
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

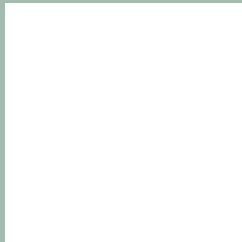
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.7822, 0.3038, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 46.7822, 0.3038, 0.3439.



This preview shows how white text looks on a background with the Yxy color 46.7822, 0.3038, 0.3439.

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

46.7822, 0.3038, 0.3439

Protanopia

46.6297, 0.3244, 0.3394

Deuteranopia

46.6825, 0.3333, 0.3266



Tritanopia

46.9042, 0.2908, 0.3107

Trichromacy



Original Color

46.7822, 0.3038, 0.3439

Protanomaly

46.5067, 0.3164, 0.3409

Deuteranomaly

46.5082, 0.3221, 0.3329

Tritanomaly

46.8506, 0.2959, 0.3223

Monochromacy



Original Color

46.7822, 0.3038, 0.3439

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.6689, 0.3091, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7822, 0.3038, 0.3439 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(166, 187, 176)` looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 176)  
}
```

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(166, 187, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 176) }
```

Border

The CSS property to change the border of an element to Yxy 46.7822, 0.3038, 0.3439 is called "border". The border property can be set on classes, ids or directly on the HTML element.

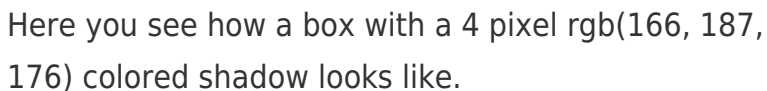
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 187, 176) }
```

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

```
.border{ border-color:rgb(166, 187, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 187, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 187, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 187, 176);  
box-shadow:4px 4px 4px 4px rgb(166, 187,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7822, 0.3038, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 176) }
```

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

```
.background{ background-color: rgb(166,  
187, 176) }
```

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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