

Converting Colors

$Y_{xy}(46.8323, 0.2805, 0.3129)$

Have a look what the booklet for
Yxy(46.8323, 0.2805, 0.3129)
contains.

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Color

Yxy(46.8323, 0.2805, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	9DBBC7
RGB	157, 187, 199
RGB Percent	62%, 73%, 78%
CMY	0.3843, 0.2666, 0.2196
CMYK	0.21, 0.06, 0.00, 0.22
HSL	197°, 27%, 70%
HSV	197°, 21%, 78%
XYZ	41.9829, 46.8323, 60.8565
YIQ	179.3980, -21.7320, -2.6280

Conversions

Conversions Part 2

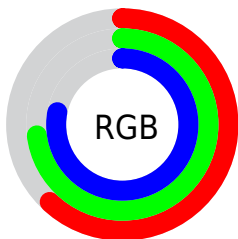
Format	Color
RYB	157, 175, 199
Decimal	10337223
CIELab	74.08, -7.50, -9.43
CIElCh	74, 12.049, 231.507
Yxy	46.8323, 0.2805, 0.3129
Android (android.graphics.Color)	4288527303 (0xFF9DBBC7)
YUV	179.3980, 9.6638, -19.6430
Hunter-Lab	68.4341, -10.2536, -4.8210

Details

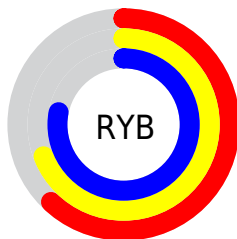
The Yxy color **46.8323, 0.2805, 0.3129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.9484, 0.3516, 0.3445**, and the grayscale version is **45.2595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3182, 0.2866, 0.3165**, and **22.0978, 0.2719, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **42.6295, 0.2656, 0.3042**, and if you desaturate by 10%, it is **51.4603, 0.2957, 0.3209**.

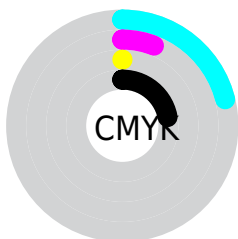
Distribution



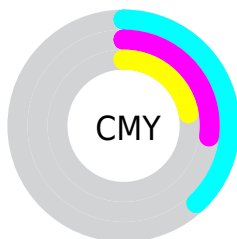
- Red (62%)
- Green (73%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (21%)
- Magenta (6%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8323, 0.2805, 0.3129 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 46.8323, 0.2805, 0.3129 by changing the saturation by 10% instead.

■ 46.8323, 0.2805,
0.3129

■ 46.8323, 0.2805,
0.3129

■ 374.1447, 0.2964,
0.3211

■ 32.9031, 0.2766,
0.3108

■ 85.4632, 0.2863,
0.3159

■ 22.0522, 0.2716,
0.3081

■ 110.9338, 0.2884,
0.3170

■ 13.8953, 0.2650,
0.3045

■ 141.0202, 0.2903,
0.3180

■ 8.0479, 0.2559,
0.2993

■ 176.1070, 0.2918,
0.3188

■ 4.1256, 0.2426,
0.2915

■ 216.5784, 0.2932,
0.3195

■ 1.7441, 0.2213,
0.2784

■ 262.8189, 0.2944,

■ 0.4519, 0.1324,

0.3201

0.2427

315.2129, 0.2955,
0.3206

0.0000, 0.0000,
0.0000

46.8323, 0.2805,
0.3129

46.8323, 0.2805,
0.3129

42.6295, 0.2656,
0.3042

51.4603, 0.2957,
0.3209

38.8294, 0.2515,
0.2948

56.5235, 0.3110,
0.3282

35.4155, 0.2383,
0.2848

62.0387, 0.3262,
0.3348

32.3683, 0.2266,
0.2744

68.0200, 0.3410,
0.3407

29.6655, 0.2165,
0.2637

74.1955, 0.3541,
0.3459

■ 27.2822, 0.2083,
0.2529

■ 77.1471, 0.3529,
0.3516

■ 25.1888, 0.2021,
0.2422

■ 80.2002, 0.3517,
0.3572

■ 23.5222, 0.1980,
0.2328

■ 83.3559, 0.3505,
0.3628

■ 86.6151, 0.3493,
0.3683

Harmonies

Analogous

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



46.8323, 0.2850, 0.3273



46.8323, 0.2805, 0.3129



46.8323, 0.2844, 0.3033

Triad

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



46.8323, 0.2805, 0.3129



46.8323, 0.3286, 0.3157



46.8323, 0.3294, 0.3587

Complementary

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



46.8323, 0.2805, 0.3129



42.9484, 0.3516, 0.3445

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.



46.8323, 0.3416, 0.3545



46.8323, 0.2805, 0.3129



46.8323, 0.3412, 0.3296

Square

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



46.8323, 0.2805, 0.3129



46.8323, 0.3118, 0.3053



46.8323, 0.3460, 0.3438



46.8323, 0.3129, 0.3544

Rectangle

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



46.8323, 0.2805, 0.3129



46.8323, 0.2912, 0.3008



46.8323, 0.3460, 0.3438



46.8323, 0.3342, 0.3582

Sweetspot

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



46.8342, 0.2805, 0.3129



94.4571, 0.3034, 0.3247



50.8739, 0.3017, 0.3701



20.0923, 0.3024, 0.3242



0.0000, 0.0000, 0.0000



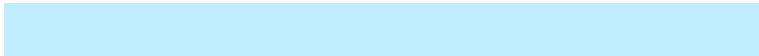
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.8342, 0.2805, 0.3129



78.7801, 0.2741, 0.3093



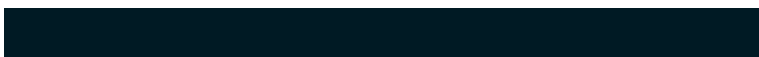
38.5998, 0.2785, 0.2839



11.5360, 0.2984, 0.3223



15.2816, 0.1984, 0.2342



0.8427, 0.2045, 0.2563

Inverse Universe

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



39.8435, 0.3259, 0.2913



64.7333, 0.3291, 0.2834



51.3582, 0.3464, 0.3704



10.7630, 0.3180, 0.3126



9.0827, 0.4082, 0.2022



0.4421, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 46.8323, 0.2805, 0.3129 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 46.8323, 0.2805, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

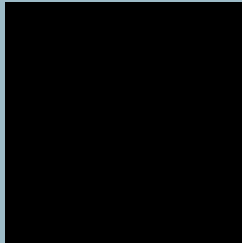
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8323, 0.2805, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 46.8323, 0.2805, 0.3129.

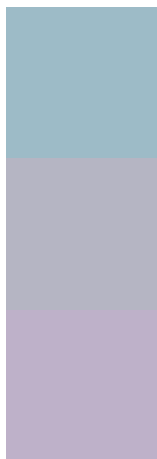


This preview shows how white text looks on a background with the Yxy color 46.8323, 0.2805, 0.3129.

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

46.8323, 0.2805, 0.3129

Protanopia

46.8116, 0.3018, 0.3110

Deuteranopia

46.6085, 0.3048, 0.2990



Tritanopia

46.9258, 0.2792, 0.3103

Trichromacy



Original Color

46.8323, 0.2805, 0.3129

Protanomaly

46.6232, 0.2938, 0.3120

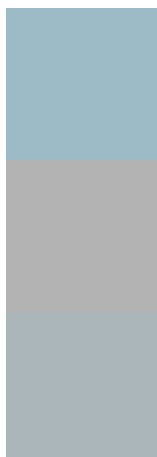
Deuteranomaly

46.6829, 0.2956, 0.3046

Tritanomaly

46.8789, 0.2798, 0.3116

Monochromacy



Original Color

46.8323, 0.2805, 0.3129

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.6590, 0.3004, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8323, 0.2805, 0.3129 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(157, 187, 199)` looks like.

```
.text, #text, p{  
    color:rgb(157, 187, 199)  
}
```

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(157, 187, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 187, 199) }
```

Border

The CSS property to change the border of an element to Yxy 46.8323, 0.2805, 0.3129 is called "border". The border property can be set on classes, ids or directly on the HTML element.

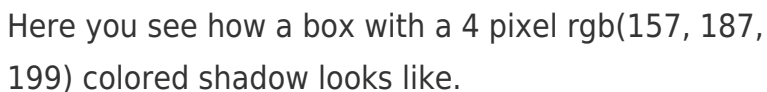
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 187, 199) }
```

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

```
.border{ border-color:rgb(157, 187, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 187, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 187, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 187, 199); box-shadow:4px 4px 4px 4px rgb(157, 187, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8323, 0.2805, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 187, 199) }
```

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

```
.background{ background-color: rgb(157,  
187, 199) }
```

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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