

Converting Colors

$Yxy(46.8620, 0.2830, 0.3129)$

Have a look what the booklet for
Yxy(46.8620, 0.2830, 0.3129)
contains.

Yxy(46.6686, 0.2833, 0.3129)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.6686, 0.2833, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	A0BAC6
RGB	160, 186, 198
RGB Percent	63%, 73%, 78%
CMY	0.3725, 0.2706, 0.2234
CMYK	0.19, 0.06, 0.00, 0.22
HSL	199°, 25%, 70%
HSV	199°, 19%, 78%
XYZ	42.2538, 46.6686, 60.2262
YIQ	179.5940, -19.3480, -1.7800

Conversions

Conversions Part 2

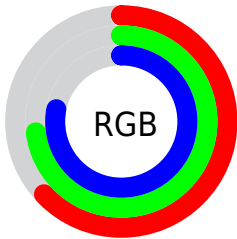
Format	Color
R_{YB}	160, 175, 198
Decimal	10533574
CIE _{Lab}	73.98, -6.23, -9.04
CIE _{LCh}	74, 10.979, 235.432
Yxy	46.6686, 0.2833, 0.3129
Android (android.graphics.Color)	4288723654 (0xFFA0BAC6)
YUV	179.5940, 9.0742, -17.1839
Hunter-Lab	68.3144, -9.1445, -4.4502

Details

The Yxy color **46.6686, 0.2833, 0.3129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0726, 0.3472, 0.3446**, and the grayscale version is **45.3741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1713, 0.2883, 0.3155**, and **21.9768, 0.2755, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **42.2055, 0.2682, 0.3033**, and if you desaturate by 10%, it is **51.5765, 0.2986, 0.3217**.

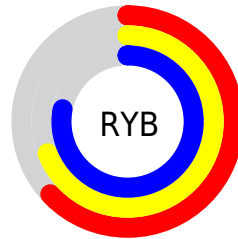
Distribution



Red (63%)

Green (73%)

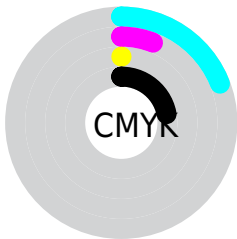
Blue (78%)



Red (63%)

Yellow (69%)

Blue (78%)

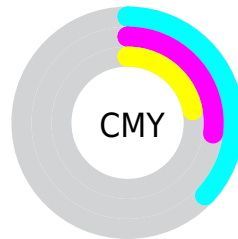


Cyan (19%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (37%)


Magenta (27%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6686, 0.2833, 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 46.6686, 0.2833, 0.3129 by changing the saturation by 10% instead.


 46.6686, 0.2833,
0.3129


 46.6686, 0.2833,
0.3129


373.4902, 0.2979,
0.3211

 32.7737, 0.2797,
0.3108


 85.2187, 0.2886,
0.3159

 21.9532, 0.2751,
0.3081


 110.6428, 0.2906,
0.3170

 13.8225, 0.2690,
0.3046


140.6787, 0.2922,
0.3180

 7.9973, 0.2607,
0.2995

175.7109, 0.2937,
0.3188

 4.0932, 0.2483,
0.2918

216.1238, 0.2949,
0.3195

 1.7259, 0.2286,
0.2789

262.3017, 0.2960,

 0.4403, 0.1459,

0.3201

0.2412

314.6290, 0.2970,
0.3206

0.0000, 0.0000,
0.0000

46.6686, 0.2833,
0.3129

46.6686, 0.2833,
0.3129

42.2055, 0.2682,
0.3033

51.5765, 0.2986,
0.3217

38.1647, 0.2536,
0.2930

56.9393, 0.3139,
0.3296

34.5300, 0.2398,
0.2820

62.7737, 0.3289,
0.3367

31.2816, 0.2274,
0.2704

69.0940, 0.3435,
0.3430

28.3980, 0.2165,
0.2585

75.1411, 0.3544,
0.3488

■ 25.8546, 0.2075,
0.2464

■ 78.4414, 0.3530,
0.3551

■ 23.6226, 0.2005,
0.2344

■ 81.8658, 0.3517,
0.3613

■ 21.6539, 0.1953,
0.2226

■ 85.4156, 0.3504,
0.3673

■ 21.5027, 0.1949,
0.2217

■ 89.0923, 0.3491,
0.3733

Harmonies

Analogous

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



46.6686, 0.2864, 0.3257



46.6686, 0.2833, 0.3129



46.6686, 0.2878, 0.3049

Triad

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



46.6686, 0.2833, 0.3129



46.6686, 0.3290, 0.3184



46.6686, 0.3261, 0.3560

Complementary

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



46.6686, 0.2833, 0.3129



44.0726, 0.3472, 0.3446

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.



46.6686, 0.3380, 0.3532



46.6686, 0.2833, 0.3129



46.6686, 0.3397, 0.3314

Square

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



46.6686, 0.2833, 0.3129



46.6686, 0.3140, 0.3083



46.6686, 0.3430, 0.3441



46.6686, 0.3109, 0.3511

Rectangle

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



46.6686, 0.2833, 0.3129



46.6686, 0.2946, 0.3031



46.6686, 0.3430, 0.3441



46.6686, 0.3307, 0.3559

Sweetspot

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



46.6705, 0.2833, 0.3129



94.1614, 0.3034, 0.3242



50.8345, 0.3023, 0.3650



20.0223, 0.3024, 0.3237



0.0000, 0.0000, 0.0000



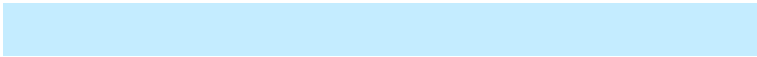
21.4041, 0.3127, 0.3290

Same Dimension

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



46.6705, 0.2833, 0.3129



79.2437, 0.2770, 0.3090



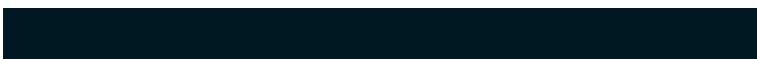
39.4180, 0.2818, 0.2876



11.4793, 0.2984, 0.3215



14.1380, 0.1954, 0.2232



0.7954, 0.2022, 0.2479

Inverse Universe

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



40.7017, 0.3256, 0.2963



66.9793, 0.3289, 0.2889



51.5619, 0.3430, 0.3673



10.7573, 0.3185, 0.3133



8.9672, 0.4198, 0.2086



0.4373, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 46.6686, 0.2833, 0.3129 looks on a white background.

Color Contrast Check

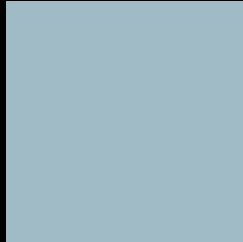
Large Text (above 18pt) WCAG AA × Fail

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 46.6686, 0.2833, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

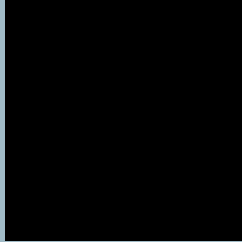
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

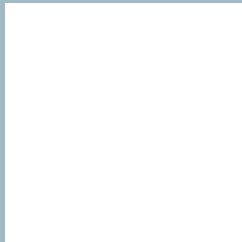
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6686, 0.2833, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 46.6686, 0.2833, 0.3129.



This preview shows how white text looks on a background with the Yxy color 46.6686, 0.2833, 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

46.6686, 0.2833, 0.3129

Protanopia

46.4064, 0.3018, 0.3097

Deuteranopia

46.6908, 0.3064, 0.3003



Tritanopia

46.7615, 0.2819, 0.3104

Trichromacy



Original Color

46.6686, 0.2833, 0.3129

Protanomaly

46.3257, 0.2946, 0.3107

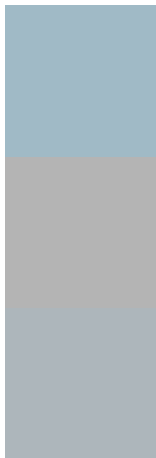
Deuteranomaly

46.4693, 0.2980, 0.3047

Tritanomaly

46.7149, 0.2826, 0.3116

Monochromacy



Original Color

46.6686, 0.2833, 0.3129

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.9280, 0.3013, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6686, 0.2833, 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(160, 186, 198)` looks like.

```
.text, #text, p{  
    color:rgb(160, 186, 198)  
}
```

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(160, 186, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 186, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.6686, 0.2833, 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(160, 186, 198) }
```

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

```
.border{ border-color:rgb(160, 186, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 186, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 186, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 186, 198);  
box-shadow:4px 4px 4px 4px rgb(160, 186,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6686, 0.2833, 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(160, 186, 198) }
```

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

```
.background{ background-color: rgb(160,  
186, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor