

Converting Colors

$Yxy(39.4968, 0.2678, 0.3154)$

Have a look what the booklet for
Yxy(39.4968, 0.2678, 0.3154)
contains.

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Color

Yxy(39.6566, 0.2678, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	81B1BA
RGB	129, 177, 186
RGB Percent	51%, 69%, 73%
CMY	0.4940, 0.3059, 0.2707
CMYK	0.31, 0.05, 0.00, 0.27
HSL	189°, 29%, 62%
HSV	189°, 31%, 73%
XYZ	33.6396, 39.6566, 52.3186
YIQ	163.6740, -31.4970, -7.3770

Conversions

Conversions Part 2

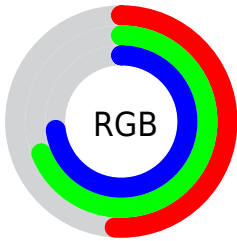
Format	Color
RYB	129, 155, 186
Decimal	8499642
CIELab	69.22, -13.67, -9.71
CIELCh	69, 16.767, 215.393
Yxy	39.6566, 0.2678, 0.3157
Android (android.graphics.Color)	4286689722 (0xFF81B1BA)
YUV	163.6740, 11.0067, -30.4091
Hunter-Lab	62.9735, -14.8511, -5.1769

Details

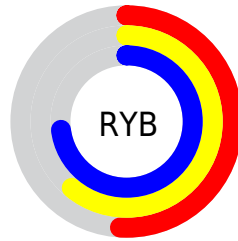
The Yxy color **39.6566, 0.2678, 0.3157** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.2006, 0.3769, 0.3418**, and the grayscale version is **36.9228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7559, 0.2759, 0.3188**, and **17.6865, 0.2543, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **37.1863, 0.2548, 0.3107**, and if you desaturate by 10%, it is **42.4200, 0.2818, 0.3204**.

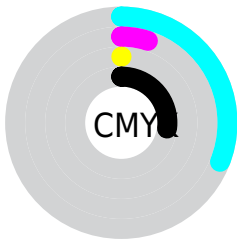
Distribution



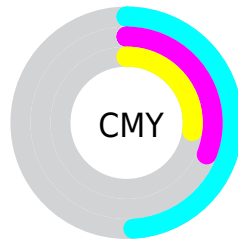
- Red (51%)
- Green (69%)
- Blue (73%)



- Red (51%)
- Yellow (61%)
- Blue (73%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)




- Cyan (49%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6566, 0.2678, 0.3157 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 39.6566, 0.2678, 0.3157 by changing the saturation by 10% instead.

 39.6566, 0.2678,
0.3157


 39.6566, 0.2678,
0.3157

344.6741, 0.2905,
0.3229


 27.2709, 0.2620,
0.3137


 74.6403, 0.2761,
0.3184

 17.7768, 0.2546,
0.3111


 98.0071, 0.2792,
0.3194

 10.7898, 0.2447,
0.3074


 125.8031, 0.2818,
0.3203

 5.9257, 0.2307,
0.3019

158.4126, 0.2841,
0.3209

 2.8000, 0.2097,
0.2928

196.2201, 0.2860,
0.3215

 1.0282, 0.1715,
0.2768

239.6099, 0.2877,

 0.0000, 0.0000,

0.3220

0.0000

288.9664, 0.2892,
0.3225

■ 39.6566, 0.2678,
0.3157

■ 39.6566, 0.2678,
0.3157

■ 37.1863, 0.2548,
0.3107

■ 42.4200, 0.2818,
0.3204

■ 34.9897, 0.2431,
0.3054

■ 45.4853, 0.2966,
0.3248

■ 33.0526, 0.2329,
0.3000

■ 48.8664, 0.3118,
0.3288

■ 31.3573, 0.2246,
0.2944

■ 52.5753, 0.3271,
0.3324

■ 29.8837, 0.2181,
0.2888

■ 56.6231, 0.3424,
0.3356

■ 28.6079, 0.2136,
0.2832

■ 61.0204, 0.3574,
0.3385

■ 27.5458, 0.2106,
0.2781

■ 64.9689, 0.3685,
0.3412

■ 66.3171, 0.3677,
0.3442

■ 67.6914, 0.3670,
0.3472

Harmonies

Analogous

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



39.6566, 0.2801, 0.3389



39.6566, 0.2678, 0.3157



39.6566, 0.2669, 0.2975

Triad

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



39.6566, 0.2678, 0.3157



39.6566, 0.3229, 0.3007



39.6566, 0.3480, 0.3708

Complementary

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



39.6566, 0.2678, 0.3157



30.2006, 0.3769, 0.3418

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.



39.6566, 0.3605, 0.3585



39.6566, 0.2678, 0.3157



39.6566, 0.3458, 0.3185

Square

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



39.6566, 0.2678, 0.3157



39.6566, 0.2980, 0.2899



39.6566, 0.3598, 0.3393



39.6566, 0.3261, 0.3718

Rectangle

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



39.6566, 0.2678, 0.3157



39.6566, 0.2729, 0.2903



39.6566, 0.3598, 0.3393



39.6566, 0.3534, 0.3678

Sweetspot

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



39.6582, 0.2678, 0.3157



83.3360, 0.2988, 0.3254



41.5981, 0.3025, 0.4037



18.1623, 0.2966, 0.3248



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.



39.6582, 0.2678, 0.3157



68.7179, 0.2586, 0.3122



29.6975, 0.2629, 0.2724



9.9631, 0.2985, 0.3253



18.6288, 0.2108, 0.2788



0.7222, 0.2147, 0.2930

Inverse Universe

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



29.3201, 0.3255, 0.2648



47.1875, 0.3291, 0.2502



39.3097, 0.3656, 0.3797



9.1378, 0.3161, 0.3100



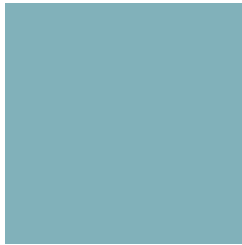
8.6629, 0.3646, 0.1782



0.3120, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 39.6566, 0.2678, 0.3157 looks on a white background.

Color Contrast Check

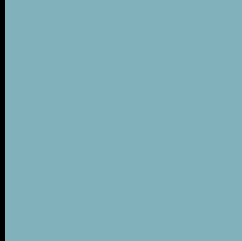
Large Text (above 18pt) WCAG AA × Fail

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 39.6566, 0.2678, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

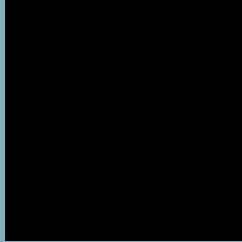
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6566, 0.2678, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 39.6566, 0.2678, 0.3157.

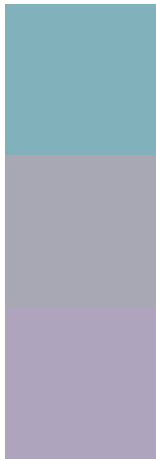


This preview shows how white text looks on a background with the Yxy color 39.6566, 0.2678, 0.3157.

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

39.6566, 0.2678, 0.3157

Protanopia

39.2576, 0.3027, 0.3111

Deuteranopia

39.3390, 0.3016, 0.2956



Tritanopia

39.5142, 0.2656, 0.3085

Trichromacy



Original Color

39.6566, 0.2678, 0.3157

Protanomaly

39.3732, 0.2892, 0.3134

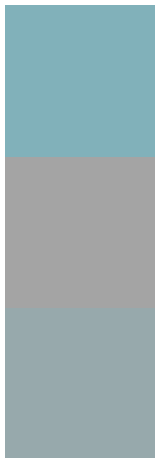
Deuteranomaly

39.2759, 0.2878, 0.3025

Tritanomaly

39.4706, 0.2663, 0.3099

Monochromacy



Original Color

39.6566, 0.2678, 0.3157

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9338, 0.2943, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6566, 0.2678, 0.3157 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(129, 177, 186)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 186)  
}
```

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(129, 177, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 186) }
```

Border

The CSS property to change the border of an element to Yxy 39.6566, 0.2678, 0.3157 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(129, 177, 186) }
```

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

```
.border{ border-color:rgb(129, 177, 186) }
```

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

Here you see how a box with a 4 pixel rgb(129, 177, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 186);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6566, 0.2678, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 186) }
```

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

```
.background{ background-color: rgb(129,  
177, 186) }
```

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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