

Converting Colors

$Yxy(69.6284, 0.2852, 0.3317)$

Have a look what the booklet for
Yxy(69.6284, 0.2852, 0.3317)
contains.

Yxy(69.6655, 0.2854, 0.3324)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.6655, 0.2854, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	B6E2DF
RGB	182, 226, 223
RGB Percent	71%, 89%, 87%
CMY	0.2861, 0.1137, 0.1255
CMYK	0.19, 0.00, 0.01, 0.11
HSL	176°, 43%, 80%
HSV	176°, 19%, 89%
XYZ	59.8151, 69.6655, 80.1028
YIQ	212.5020, -25.2610, -10.2610

Conversions

Conversions Part 2

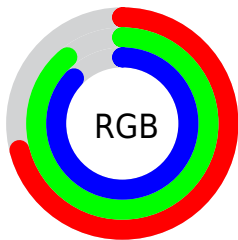
Format	Color
RYB	182, 205, 226
Decimal	11985631
CIELab	86.83, -14.77, -3.25
CIElCh	87, 15.120, 192.414
Yxy	69.6655, 0.2854, 0.3324
Android (android.graphics.Color)	4290175711 (0xFFB6E2DF)
YUV	212.5020, 5.1755, -26.7503
Hunter-Lab	83.4659, -18.1448, 1.5251

Details

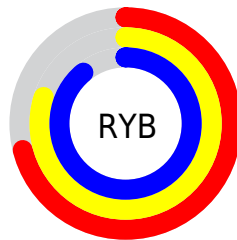
The Yxy color **69.6655, 0.2854, 0.3324** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.1495, 0.3484, 0.3257**, and the grayscale version is **66.1746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **36.5422, 0.2787, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **67.0515, 0.2727, 0.3344**, and if you desaturate by 10%, it is **72.7301, 0.2991, 0.3306**.

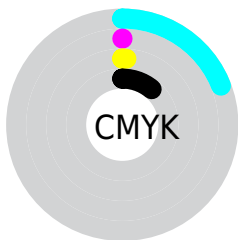
Distribution



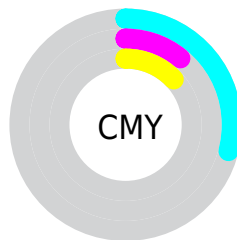
- Red (71%)
- Green (89%)
- Blue (87%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6655, 0.2854, 0.3324 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 69.6655, 0.2854, 0.3324 by changing the saturation by 10% instead.


 69.6655, 0.2854,
0.3324

 69.6655, 0.2854,
0.3324


459.3746, 0.2981,
0.3309

 51.2539, 0.2825,
0.3327


 118.7316, 0.2898,
0.3319

 36.4107, 0.2789,
0.3331


150.1549, 0.2915,
0.3317

 24.7516, 0.2744,
0.3335


186.6842, 0.2930,
0.3315

 15.8921, 0.2684,
0.3341

228.7039, 0.2943,
0.3314

 9.4478, 0.2602,
0.3348

276.5984, 0.2954,
0.3313

 5.0344, 0.2484,
0.3357

330.7521, 0.2964,

 2.2675, 0.2299,

0.3311

391.5494, 0.2973,
0.3310

0.3367

0.7564, 0.1653,
0.3488

0.0000, 0.0000,
0.0000

69.6655, 0.2854,
0.3324

69.6655, 0.2854,
0.3324

67.0515, 0.2727,
0.3344

72.7301, 0.2991,
0.3306

64.8581, 0.2614,
0.3365


76.2565, 0.3135,
0.3289


63.0654, 0.2517,
0.3387

80.2661, 0.3284,
0.3274


61.6480, 0.2437,
0.3409

81.3158, 0.3311,
0.3259

 60.5779, 0.2377,
0.3432


 81.4023, 0.3300,
0.3244

 59.8231, 0.2336,
0.3455


 81.4897, 0.3290,
0.3229

 59.3458, 0.2314,
0.3478

 81.5778, 0.3279,
0.3213

 59.0839, 0.2306,
0.3501

 81.6667, 0.3269,
0.3198

 59.0715, 0.2306,
0.3502

 81.7564, 0.3259,
0.3183

Harmonies

Analogous

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



69.6655, 0.3002, 0.3487



69.6655, 0.2854, 0.3324



69.6655, 0.2779, 0.3156

Triad

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



69.6655, 0.2854, 0.3324



69.6655, 0.3060, 0.3007



69.6655, 0.3470, 0.3541

Complementary

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



69.6655, 0.2854, 0.3324



53.1495, 0.3484, 0.3257

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.



69.6655, 0.3489, 0.3406



69.6655, 0.2854, 0.3324



69.6655, 0.3248, 0.3104

Square

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



69.6655, 0.2854, 0.3324



69.6655, 0.2895, 0.2980



69.6655, 0.3406, 0.3248



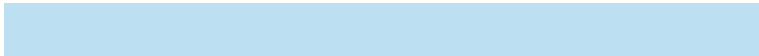
69.6655, 0.3358, 0.3612

Rectangle

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



69.6655, 0.2854, 0.3324



69.6655, 0.2779, 0.3067



69.6655, 0.3406, 0.3248



69.6655, 0.3488, 0.3501

Sweetspot

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



69.6684, 0.2854, 0.3324



97.1458, 0.3039, 0.3300



68.1722, 0.3127, 0.3819



20.7296, 0.3030, 0.3301



0.0000, 0.0000, 0.0000



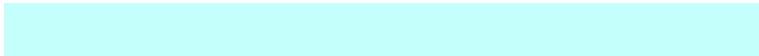
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6684, 0.2854, 0.3324



90.2677, 0.2806, 0.3331



60.4001, 0.2824, 0.3072



15.5554, 0.2991, 0.3306



33.7095, 0.2305, 0.3498



2.3415, 0.2295, 0.3463

Inverse Universe

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



53.1495, 0.3484, 0.3257



65.0845, 0.3572, 0.3250



61.0232, 0.3471, 0.3498



13.7156, 0.3281, 0.3274



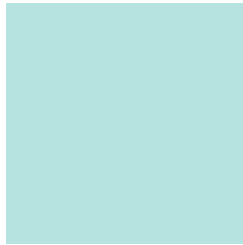
9.2508, 0.6324, 0.3258



0.6466, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 69.6655, 0.2854, 0.3324 looks on a white background.

Color Contrast Check

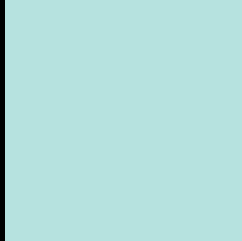
Large Text (above 18pt) WCAG AA × Fail

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 69.6655, 0.2854, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

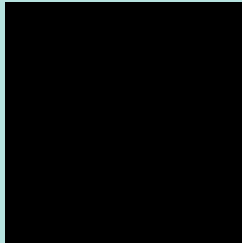
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

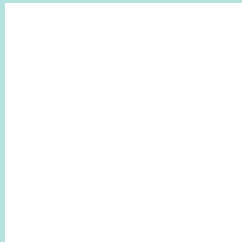
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6655, 0.2854, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 69.6655, 0.2854, 0.3324.

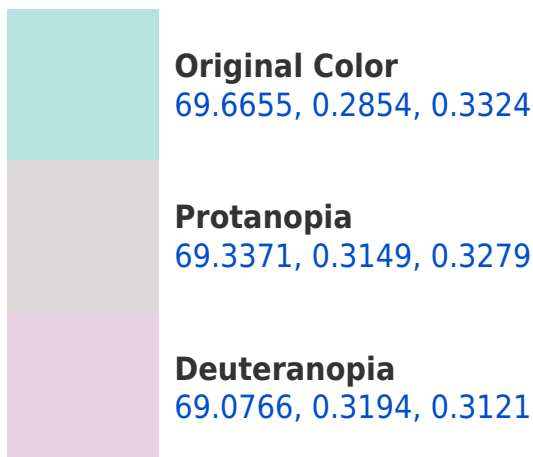


This preview shows how white text looks on a background with the Yxy color 69.6655, 0.2854, 0.3324.

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

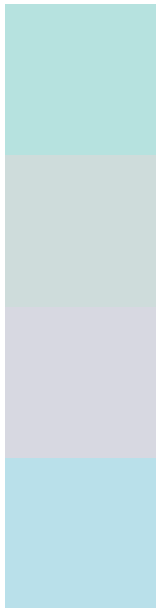




Tritanopia

69.5653, 0.2773, 0.3086

Trichromacy



Original Color

69.6655, 0.2854, 0.3324

Protanomaly

69.4227, 0.3035, 0.3301

Deuteranomaly

68.9950, 0.3060, 0.3191

Tritanomaly

69.5661, 0.2807, 0.3175

Monochromacy



Original Color

69.6655, 0.2854, 0.3324

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.7091, 0.3020, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6655, 0.2854, 0.3324 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(182, 226, 223)` looks like.

```
.text, #text, p{  
    color:rgb(182, 226, 223)  
}
```

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(182, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 226, 223) }
```

Border

The CSS property to change the border of an element to Yxy 69.6655, 0.2854, 0.3324 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(182, 226, 223) }
```

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

```
.border{ border-color:rgb(182, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 226, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 226, 223);  
box-shadow:4px 4px 4px 4px rgb(182, 226,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6655, 0.2854, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 226, 223) }
```

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

```
.background{ background-color: rgb(182,  
226, 223) }
```

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