

Converting Colors

$Yxy(69.0366, 0.2819, 0.3346)$

Have a look what the booklet for
Yxy(69.0366, 0.2819, 0.3346)
contains.

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Color

Yxy(68.7806, 0.2816, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	AFE2DE
RGB	175, 226, 222
RGB Percent	69%, 89%, 87%
CMY	0.3138, 0.1137, 0.1293
CMYK	0.23, 0.00, 0.02, 0.11
HSL	175°, 47%, 79%
HSV	175°, 23%, 89%
XYZ	58.0594, 68.7806, 79.3369
YIQ	210.2950, -29.1120, -12.0560

Conversions

Conversions Part 2

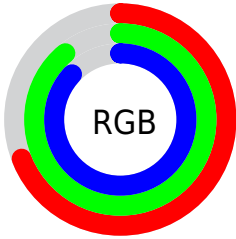
Format	Color
RYB	175, 202, 226
Decimal	11526878
CIELab	86.40, -17.12, -3.43
CIElCh	86, 17.456, 191.322
Yxy	68.7806, 0.2816, 0.3336
Android (android.graphics.Color)	4289716958 (0xFFAFE2DE)
YUV	210.2950, 5.7706, -30.9537
Hunter-Lab	82.9341, -20.1727, 1.3355

Details

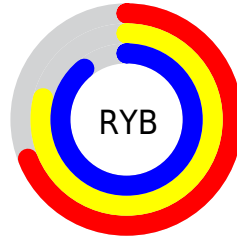
The Yxy color **68.7806, 0.2816, 0.3336** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0770, 0.3553, 0.3245**, and the grayscale version is **64.6286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **35.9808, 0.2741, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **66.2896, 0.2694, 0.3359**, and if you desaturate by 10%, it is **71.7159, 0.2949, 0.3315**.

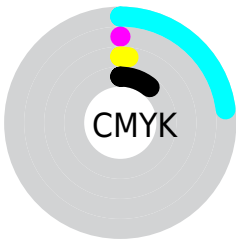
Distribution



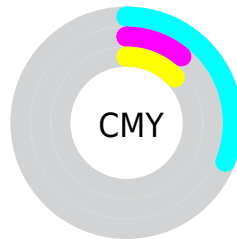
- Red (69%)
- Green (89%)
- Blue (87%)



- Red (69%)
- Yellow (79%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7806, 0.2816, 0.3336 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 68.7806, 0.2816, 0.3336 by changing the saturation by 10% instead.

 68.7806, 0.2816,
0.3336

 68.7806, 0.2816,
0.3336

456.2568, 0.2961,
0.3316

 50.5331, 0.2783,
0.3340


 117.4682, 0.2866,
0.3329

 35.8371, 0.2742,
0.3345


148.6769, 0.2886,
0.3327

 24.3084, 0.2690,
0.3352


184.9749, 0.2903,
0.3324

 15.5626, 0.2622,
0.3360

226.7465, 0.2917,
0.3322

 9.2152, 0.2528,
0.3369

274.3761, 0.2930,
0.3320

 4.8818, 0.2393,
0.3382

328.2481, 0.2941,

 2.1781, 0.2181,

0.3319

388.7468, 0.2951,
0.3317

0.3397

0.7080, 0.1292,
0.3586

0.0000, 0.0000,
0.0000

68.7806, 0.2816,
0.3336

68.7806, 0.2816,
0.3336

66.2896, 0.2694,
0.3359

71.7159, 0.2949,
0.3315

64.2126, 0.2587,
0.3384

75.1072, 0.3090,
0.3295

62.5288, 0.2496,
0.3409


78.9765, 0.3236,
0.3277


61.2122, 0.2423,
0.3435

81.3180, 0.3311,
0.3260


 60.2337, 0.2369,
0.3462

 81.4172, 0.3299,
0.3242

 59.5597, 0.2335,
0.3489


 81.5173, 0.3287,
0.3225

 59.1498, 0.2319,
0.3515

 81.6185, 0.3275,
0.3208

 58.9677, 0.2315,
0.3534

 81.7207, 0.3264,
0.3190

 81.8239, 0.3252,
0.3173

Harmonies

Analogous

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



68.7806, 0.2988, 0.3526



68.7806, 0.2816, 0.3336



68.7806, 0.2726, 0.3140

Triad

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



68.7806, 0.2816, 0.3336



68.7806, 0.3041, 0.2961



68.7806, 0.3528, 0.3574

Complementary

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



68.7806, 0.2816, 0.3336



50.0770, 0.3553, 0.3245

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.



68.7806, 0.3545, 0.3417



68.7806, 0.2816, 0.3336



68.7806, 0.3259, 0.3070

Square

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



68.7806, 0.2816, 0.3336



68.7806, 0.2853, 0.2933



68.7806, 0.3446, 0.3234



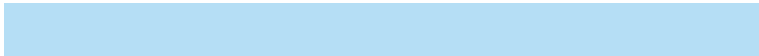
68.7806, 0.3401, 0.3663

Rectangle

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



68.7806, 0.2816, 0.3336



68.7806, 0.2724, 0.3035



68.7806, 0.3446, 0.3234



68.7806, 0.3547, 0.3527

Sweetspot

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



68.7834, 0.2816, 0.3336



96.6809, 0.3026, 0.3303



67.1026, 0.3127, 0.3916



20.6355, 0.3017, 0.3305



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.



68.7834, 0.2816, 0.3336



88.8563, 0.2758, 0.3346



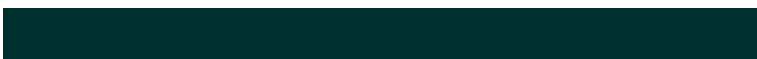
58.1452, 0.2774, 0.3033



15.5529, 0.2992, 0.3308



33.6470, 0.2314, 0.3530



2.3378, 0.2303, 0.3490

Inverse Universe

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



50.0770, 0.3553, 0.3245



60.2259, 0.3669, 0.3236



58.8541, 0.3536, 0.3534



13.7178, 0.3280, 0.3272



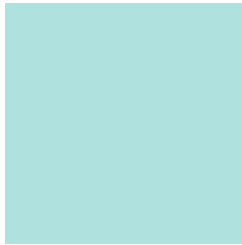
9.2553, 0.6312, 0.3251



0.6477, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 68.7806, 0.2816, 0.3336 looks on a white background.

Color Contrast Check

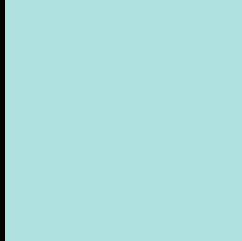
Large Text (above 18pt) WCAG AA × Fail

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 68.7806, 0.2816, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

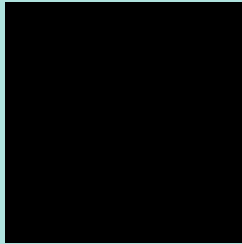
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

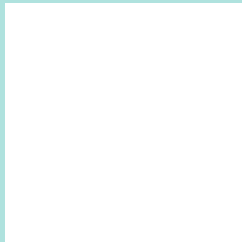
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7806, 0.2816, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 68.7806, 0.2816, 0.3336.



This preview shows how white text looks on a background with the Yxy color 68.7806, 0.2816, 0.3336.

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

68.7806, 0.2816, 0.3336

Protanopia

68.0595, 0.3157, 0.3279

Deuteranopia

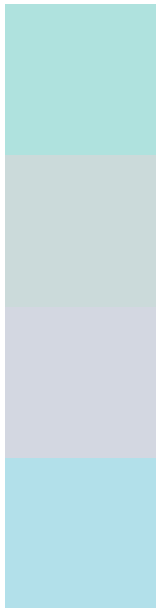
68.2477, 0.3180, 0.3109



Tritanopia

68.7099, 0.2731, 0.3083

Trichromacy



Original Color

68.7806, 0.2816, 0.3336

Protanomaly

67.9013, 0.3021, 0.3290

Deuteranomaly

67.8860, 0.3032, 0.3179

Tritanomaly

68.7168, 0.2765, 0.3173

Monochromacy



Original Color

68.7806, 0.2816, 0.3336

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.8371, 0.3005, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7806, 0.2816, 0.3336 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(175, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(175, 226, 222)  
}
```

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(175, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 226, 222) }
```

Border

The CSS property to change the border of an element to Yxy 68.7806, 0.2816, 0.3336 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(175, 226, 222) }
```

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

```
.border{ border-color:rgb(175, 226, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(175, 226,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7806, 0.2816, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 226, 222) }
```

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

```
.background{ background-color: rgb(175,  
226, 222) }
```

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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