

Converting Colors

$Yxy(69.7717, 0.2883, 0.3406)$

Have a look what the booklet for
Yxy(69.7717, 0.2883, 0.3406)
contains.

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Color

Yxy(69.7717, 0.2883, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	B5E3D9
RGB	181, 227, 217
RGB Percent	71%, 89%, 85%
CMY	0.2901, 0.1098, 0.1489
CMYK	0.20, 0.00, 0.04, 0.11
HSL	167°, 45%, 80%
HSV	167°, 20%, 89%
XYZ	59.0581, 69.7717, 76.0196
YIQ	212.1060, -24.2060, -12.8620

Conversions

Conversions Part 2

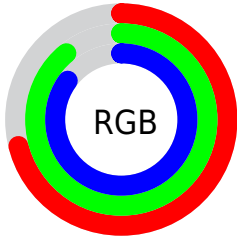
Format	Color
RYB	181, 207, 227
Decimal	11920345
CIELab	86.88, -16.81, -0.04
CIELCh	87, 16.807, 180.133
Yxy	69.7717, 0.2883, 0.3406
Android (android.graphics.Color)	4290110425 (0xFFB5E3D9)
YUV	212.1060, 2.4127, -27.2800
Hunter-Lab	83.5295, -19.9712, 4.5112

Details

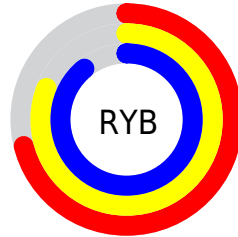
The Yxy color **69.7717, 0.2883, 0.3406** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.1533, 0.3444, 0.3178**, and the grayscale version is **65.9148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.6257, 0.2824, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **66.9974, 0.2774, 0.3471**, and if you desaturate by 10%, it is **73.0065, 0.3001, 0.3346**.

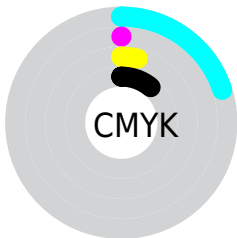
Distribution



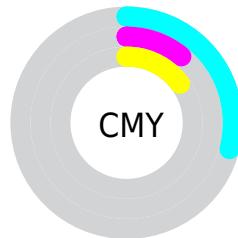
- Red (71%)
- Green (89%)
- Blue (85%)



- Red (71%)
- Yellow (81%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7717, 0.2883, 0.3406 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 69.7717, 0.2883, 0.3406 by changing the saturation by 10% instead.

 69.7717, 0.2883,
0.3406

 69.7717, 0.2883,
0.3406


459.7480, 0.2997,
0.3352

 51.3404, 0.2857,
0.3418


 118.8831, 0.2923,
0.3387

 36.4796, 0.2824,
0.3434


150.3321, 0.2938,
0.3380

 24.8048, 0.2783,
0.3453


186.8890, 0.2951,
0.3374

 15.9317, 0.2729,
0.3479

228.9384, 0.2963,
0.3368

 9.4758, 0.2654,
0.3514

276.8646, 0.2973,
0.3363

 5.0528, 0.2546,
0.3566


331.0520, 0.2982,

 2.2783, 0.2374,

0.3359


0.3647

391.8850, 0.2990,
0.3355

 0.7622, 0.1646,
0.3993


 0.0000, 0.0000,
0.0000


 69.7717, 0.2883,
0.3406


 69.7717, 0.2883,
0.3406


 66.9974, 0.2774,
0.3471


 73.0065, 0.3001,
0.3346


 64.6533, 0.2676,
0.3542

 76.7133, 0.3124,
0.3291

 62.7187, 0.2592,
0.3616


 80.9140, 0.3250,
0.3242

 61.1679, 0.2525,
0.3693


 82.2932, 0.3259,
0.3195


 59.9722, 0.2477,
0.3773


 82.5844, 0.3226,
0.3147


 59.0989, 0.2449,
0.3853

 82.8836, 0.3194,
0.3099

 58.5089, 0.2440,
0.3933

 83.1908, 0.3162,
0.3052

 58.1409, 0.2447,
0.4010

 83.4154, 0.3140,
0.3019

Harmonies

Analogous

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



69.7717, 0.3069, 0.3569



69.7717, 0.2883, 0.3406



69.7717, 0.2764, 0.3214

Triad

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



69.7717, 0.2883, 0.3406



69.7717, 0.2971, 0.2954



69.7717, 0.3531, 0.3512

Complementary

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



69.7717, 0.2883, 0.3406



53.1533, 0.3444, 0.3178

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.



69.7717, 0.3504, 0.3347



69.7717, 0.2883, 0.3406



69.7717, 0.3176, 0.3032

Square

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



69.7717, 0.2883, 0.3406



69.7717, 0.2813, 0.2959



69.7717, 0.3373, 0.3174



69.7717, 0.3445, 0.3626

Rectangle

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



69.7717, 0.2883, 0.3406



69.7717, 0.2736, 0.3099



69.7717, 0.3373, 0.3174



69.7717, 0.3535, 0.3461

Sweetspot

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



69.7746, 0.2883, 0.3406



97.0010, 0.3052, 0.3322



69.4479, 0.3175, 0.3836



20.6953, 0.3044, 0.3326



0.0000, 0.0000, 0.0000



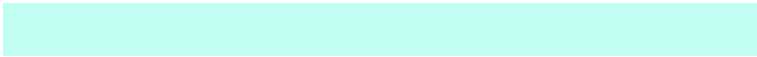
21.4041, 0.3127, 0.3290

Same Dimension

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



69.7746, 0.2883, 0.3406



89.3575, 0.2839, 0.3431



63.8416, 0.2816, 0.3145



16.2801, 0.3010, 0.3341



33.9277, 0.2444, 0.3998



2.5205, 0.2412, 0.3882

Inverse Universe

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



53.1533, 0.3444, 0.3178



64.2630, 0.3522, 0.3154



57.9361, 0.3503, 0.3430



14.4189, 0.3258, 0.3239



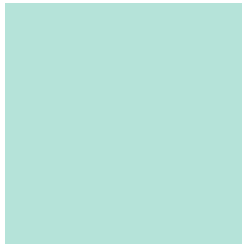
9.6687, 0.6023, 0.3092



0.7281, 0.5619, 0.2869

Previews

White Background



This preview shows how the Yxy color 69.7717, 0.2883, 0.3406 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 69.7717, 0.2883, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

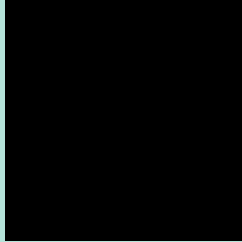
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

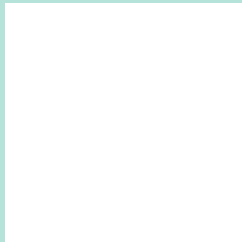
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7717, 0.2883, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 69.7717, 0.2883, 0.3406.

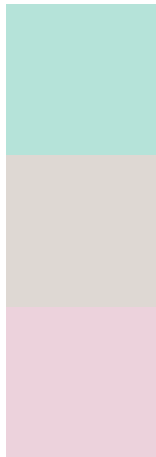


This preview shows how white text looks on a background with the Yxy color 69.7717, 0.2883, 0.3406.

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

69.7717, 0.2883, 0.3406

Protanopia

69.3445, 0.3205, 0.3345

Deuteranopia

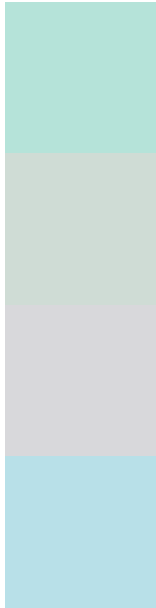
69.0934, 0.3252, 0.3184



Tritanopia

69.5653, 0.2773, 0.3086

Trichromacy



Original Color

69.7717, 0.2883, 0.3406

Protanomaly

69.2559, 0.3081, 0.3369

Deuteranomaly

68.8251, 0.3107, 0.3257

Tritanomaly

69.3279, 0.2813, 0.3197

Monochromacy



Original Color

69.7717, 0.2883, 0.3406

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.8983, 0.3033, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7717, 0.2883, 0.3406 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(181, 227, 217)` looks like.

```
.text, #text, p{  
    color:rgb(181, 227, 217)  
}
```

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(181, 227, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 217) }
```

Border

The CSS property to change the border of an element to Yxy 69.7717, 0.2883, 0.3406 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(181, 227, 217) }
```

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

```
.border{ border-color:rgb(181, 227, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 227, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 227, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 227, 217); box-shadow:4px 4px 4px 4px rgb(181, 227, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7717, 0.2883, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 227, 217) }
```

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

```
.background{ background-color: rgb(181,  
227, 217) }
```

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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