

Converting Colors

$Yxy(67.3536, 0.2855, 0.3312)$

Have a look what the booklet for
Yxy(67.3536, 0.2855, 0.3312)
contains.

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Color

Yxy(67.1132, 0.2856, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	B4DEDC
RGB	180, 222, 220
RGB Percent	71%, 87%, 86%
CMY	0.2942, 0.1294, 0.1373
CMYK	0.19, 0.00, 0.01, 0.13
HSL	177°, 39%, 79%
HSV	177°, 19%, 87%
XYZ	57.8555, 67.1132, 77.6066
YIQ	209.2140, -24.3900, -9.5260

Conversions

Conversions Part 2

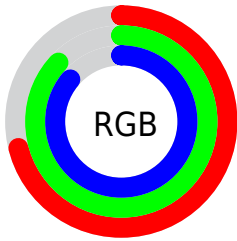
Format	Color
R _{YB}	180, 202, 222
Decimal	11853532
CIE Lab	85.56, -14.02, -3.55
CIE LCh	86, 14.459, 194.202
Yxy	67.1132, 0.2856, 0.3313
Android (android.graphics.Color)	4290043612 (0xFFB4DEDC)
YUV	209.2140, 5.3175, -25.6207
Hunter-Lab	81.9226, -17.3041, 1.1795

Details

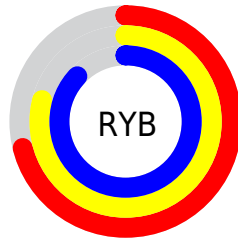
The Yxy color **67.1132, 0.2856, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.5401, 0.3480, 0.3267**, and the grayscale version is **63.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **34.7897, 0.2788, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **64.6055, 0.2727, 0.3327**, and if you desaturate by 10%, it is **70.0536, 0.2996, 0.3300**.

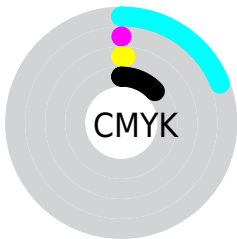
Distribution



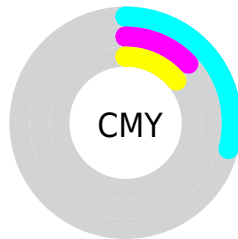
- Red (71%)
- Green (87%)
- Blue (86%)



- Red (71%)
- Yellow (79%)
- Blue (87%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)





- Cyan (29%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.1132, 0.2856, 0.3313 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 67.1132, 0.2856, 0.3313 by changing the saturation by 10% instead.


 67.1132, 0.2856,
0.3313

 67.1132, 0.2856,
0.3313


450.3476, 0.2983,
0.3303

 49.1766, 0.2827,
0.3315

 115.0826, 0.2900,
0.3310

 34.7596, 0.2791,
0.3317


145.8842, 0.2917,
0.3309

 23.4778, 0.2745,
0.3320


181.7430, 0.2932,
0.3307

 14.9467, 0.2684,
0.3323

223.0433, 0.2945,
0.3306

 8.7820, 0.2600,
0.3326

270.1695, 0.2956,
0.3306

 4.5992, 0.2479,
0.3330

323.5060, 0.2966,

 2.0141, 0.2285,

0.3305

383.4372, 0.2975,
0.3304

0.3331

0.6156, 0.1367,
0.3465

0.0000, 0.0000,
0.0000

67.1132, 0.2856,
0.3313

67.1132, 0.2856,
0.3313

64.6055, 0.2727,
0.3327

70.0536, 0.2996,
0.3300

62.5018, 0.2611,
0.3341


73.4372, 0.3143,
0.3289

60.7830, 0.2511,
0.3356


77.2846, 0.3295,
0.3278


59.4251, 0.2429,
0.3372

78.9053, 0.3349,
0.3268

 58.4014, 0.2367,
0.3388


 78.9636, 0.3341,
0.3257


 57.6816, 0.2323,
0.3404


 79.0222, 0.3334,
0.3247

 57.2297, 0.2299,
0.3420

 79.0812, 0.3327,
0.3236

 56.9898, 0.2289,
0.3436

 79.1405, 0.3319,
0.3226

 56.9689, 0.2288,
0.3437

 79.2002, 0.3312,
0.3215

Harmonies

Analogous

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



67.1132, 0.2996, 0.3473



67.1132, 0.2856, 0.3313



67.1132, 0.2788, 0.3152

Triad

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



67.1132, 0.2856, 0.3313



67.1132, 0.3073, 0.3020



67.1132, 0.3455, 0.3539

Complementary

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



67.1132, 0.2856, 0.3313



51.5401, 0.3480, 0.3267

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.



67.1132, 0.3479, 0.3412



67.1132, 0.2856, 0.3313



67.1132, 0.3254, 0.3117

Square

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



67.1132, 0.2856, 0.3313



67.1132, 0.2911, 0.2989



67.1132, 0.3404, 0.3259



67.1132, 0.3342, 0.3603

Rectangle

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



67.1132, 0.2856, 0.3313



67.1132, 0.2791, 0.3067



67.1132, 0.3404, 0.3259



67.1132, 0.3474, 0.3502

Sweetspot

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



67.1160, 0.2856, 0.3313



97.1655, 0.3038, 0.3297



65.4975, 0.3118, 0.3805



20.7343, 0.3028, 0.3298



0.0000, 0.0000, 0.0000



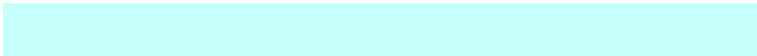
21.4041, 0.3127, 0.3290

Same Dimension

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



67.1160, 0.2856, 0.3313



90.3423, 0.2800, 0.3319



57.7311, 0.2831, 0.3062



15.5604, 0.2988, 0.3301



33.8390, 0.2288, 0.3435



2.3491, 0.2281, 0.3411

Inverse Universe

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



51.5401, 0.3480, 0.3267



65.0295, 0.3581, 0.3262



59.6222, 0.3457, 0.3508



13.7112, 0.3285, 0.3279



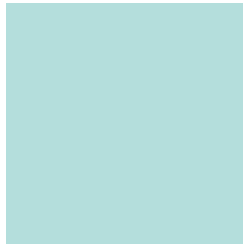
9.2428, 0.6347, 0.3270



0.6445, 0.6194, 0.3186

Previews

White Background



This preview shows how the Yxy color 67.1132, 0.2856, 0.3313 looks on a white background.

Color Contrast Check

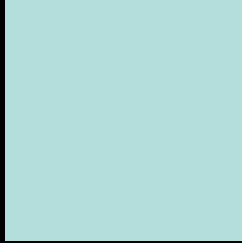
Large Text (above 18pt) WCAG AA × Fail

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 67.1132, 0.2856, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

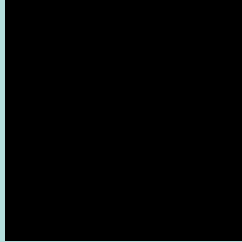
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

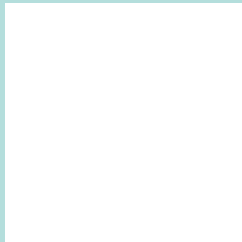
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.1132, 0.2856, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 67.1132, 0.2856, 0.3313.

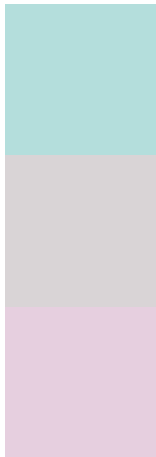


This preview shows how white text looks on a background with the Yxy color 67.1132, 0.2856, 0.3313.

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

67.1132, 0.2856, 0.3313

Protanopia

66.6937, 0.3150, 0.3268

Deuteranopia

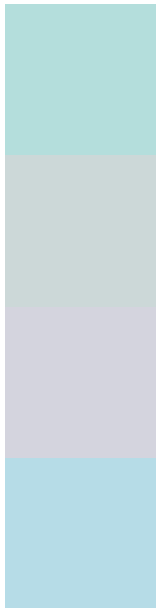
66.7764, 0.3188, 0.3118



Tritanopia

66.8447, 0.2774, 0.3083

Trichromacy



Original Color

67.1132, 0.2856, 0.3313

Protanomaly

66.9070, 0.3041, 0.3290

Deuteranomaly

66.3579, 0.3060, 0.3178

Tritanomaly

66.9010, 0.2803, 0.3162

Monochromacy



Original Color

67.1132, 0.2856, 0.3313

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9030, 0.3019, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1132, 0.2856, 0.3313 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(180, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 222, 220)  
}
```

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(180, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 222, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.1132, 0.2856, 0.3313 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(180, 222, 220) }
```

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

```
.border{ border-color:rgb(180, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 222, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 222, 220); box-shadow:4px 4px 4px 4px rgb(180, 222, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1132, 0.2856, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 222, 220) }
```

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

```
.background{ background-color: rgb(180,  
222, 220) }
```

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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