

Converting Colors

$Yxy(68.7323, 0.2879, 0.3331)$

Have a look what the booklet for
Yxy(68.7323, 0.2879, 0.3331)
contains.

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Color

Yxy(68.7221, 0.2877, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	B8E0DD
RGB	184, 224, 221
RGB Percent	72%, 88%, 87%
CMY	0.2783, 0.1216, 0.1333
CMYK	0.18, 0.00, 0.01, 0.12
HSL	176°, 39%, 80%
HSV	176°, 18%, 88%
XYZ	59.4806, 68.7221, 78.5425
YIQ	211.6980, -22.8770, -9.4130

Conversions

Conversions Part 2

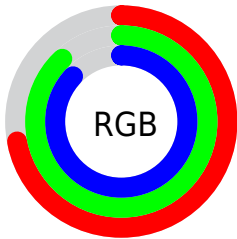
Format	Color
RYB	184, 205, 224
Decimal	12116189
CIELab	86.37, -13.56, -2.87
CIELCh	86, 13.858, 191.971
Yxy	68.7221, 0.2877, 0.3324
Android (android.graphics.Color)	4290306269 (0xFFB8E0DD)
YUV	211.6980, 4.5859, -24.2911
Hunter-Lab	82.8988, -16.9976, 1.8548

Details

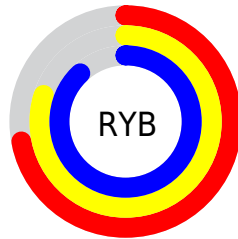
The Yxy color **68.7221, 0.2877, 0.3324** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.7306, 0.3446, 0.3257**, and the grayscale version is **65.6135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **35.8749, 0.2815, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **66.0847, 0.2749, 0.3345**, and if you desaturate by 10%, it is **71.8040, 0.3014, 0.3304**.

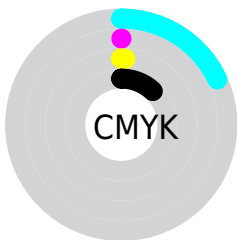
Distribution



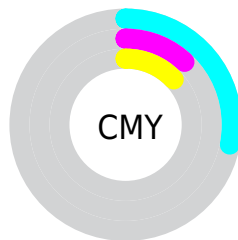
- Red (72%)
- Green (88%)
- Blue (87%)



- Red (72%)
- Yellow (80%)
- Blue (88%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)





- Cyan (28%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7221, 0.2877, 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 68.7221, 0.2877, 0.3324 by changing the saturation by 10% instead.


 68.7221, 0.2877,
0.3324

 68.7221, 0.2877,
0.3324


456.0502, 0.2993,
0.3309

 50.4854, 0.2850,
0.3327

 117.3846, 0.2918,
0.3319

 35.7992, 0.2817,
0.3331


148.5791, 0.2933,
0.3317

 24.2792, 0.2775,
0.3336


184.8618, 0.2947,
0.3315

 15.5409, 0.2720,
0.3342

226.6169, 0.2959,
0.3314

 9.1998, 0.2644,
0.3350

274.2290, 0.2969,
0.3312

 4.8718, 0.2533,
0.3360

328.0823, 0.2978,

 2.1722, 0.2359,

0.3311

388.5612, 0.2986,
0.3310

0.3372

0.7048, 0.1684,
0.3503

0.0000, 0.0000,
0.0000

68.7221, 0.2877,
0.3324

68.7221, 0.2877,
0.3324

66.0847, 0.2749,
0.3345

71.8040, 0.3014,
0.3304

63.8629, 0.2635,
0.3368

75.3412, 0.3159,
0.3286

62.0372, 0.2535,
0.3392

79.3546, 0.3307,
0.3270

60.5833, 0.2453,
0.3417


80.1544, 0.3323,
0.3254


 59.4744, 0.2390,
0.3442

 80.2477, 0.3311,
0.3237


 58.6798, 0.2346,
0.3468


 80.3418, 0.3300,
0.3220


 58.1637, 0.2321,
0.3493

 80.4369, 0.3289,
0.3204

 57.8760, 0.2313,
0.3518

 80.5329, 0.3277,
0.3187

 57.8270, 0.2312,
0.3523

 80.6298, 0.3266,
0.3171

Harmonies

Analogous

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



68.7221, 0.3014, 0.3473



68.7221, 0.2877, 0.3324



68.7221, 0.2806, 0.3170

Triad

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



68.7221, 0.2877, 0.3324



68.7221, 0.3063, 0.3028



68.7221, 0.3444, 0.3520

Complementary

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



68.7221, 0.2877, 0.3324



53.7306, 0.3446, 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.



68.7221, 0.3459, 0.3396



68.7221, 0.2877, 0.3324



68.7221, 0.3236, 0.3117

Square

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



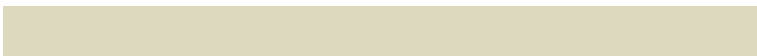
68.7221, 0.2877, 0.3324



68.7221, 0.2912, 0.3004



68.7221, 0.3382, 0.3250



68.7221, 0.3342, 0.3586

Rectangle

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



68.7221, 0.2877, 0.3324



68.7221, 0.2805, 0.3086



68.7221, 0.3382, 0.3250



68.7221, 0.3459, 0.3483

Sweetspot

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



68.7249, 0.2877, 0.3324



97.6003, 0.3054, 0.3299



67.3823, 0.3128, 0.3771



20.8210, 0.3044, 0.3300



0.0000, 0.0000, 0.0000



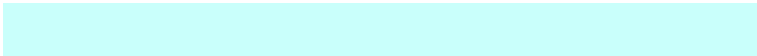
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7249, 0.2877, 0.3324



90.9649, 0.2834, 0.3331



60.3694, 0.2849, 0.3092



15.5538, 0.2992, 0.3307



33.6683, 0.2311, 0.3519



2.3391, 0.2300, 0.3481

Inverse Universe

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



53.7306, 0.3446, 0.3257



67.6730, 0.3521, 0.3250



60.9355, 0.3439, 0.3480



13.7171, 0.3280, 0.3273



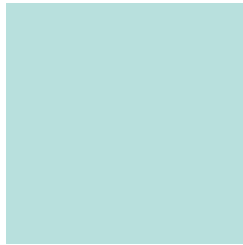
9.2537, 0.6316, 0.3253



0.6473, 0.6088, 0.3127

Previews

White Background



This preview shows how the Yxy color 68.7221, 0.2877, 0.3324 looks on a white background.

Color Contrast Check

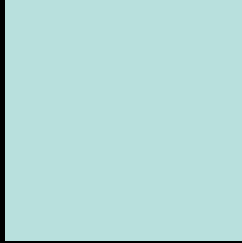
Large Text (above 18pt) WCAG AA × Fail

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 68.7221, 0.2877, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

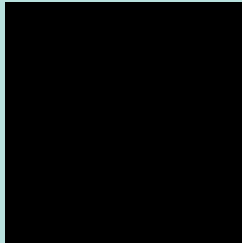
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

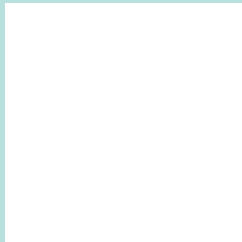
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7221, 0.2877, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 68.7221, 0.2877, 0.3324.

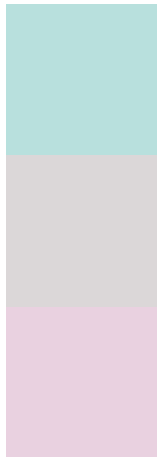


This preview shows how white text looks on a background with the Yxy color 68.7221, 0.2877, 0.3324.

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



Original Color

68.7221, 0.2877, 0.3324

Protanopia

68.6188, 0.3150, 0.3279

Deuteranopia

68.3064, 0.3202, 0.3131



Tritanopia

68.5097, 0.2789, 0.3085

Trichromacy



Original Color

68.7221, 0.2877, 0.3324

Protanomaly

68.3266, 0.3042, 0.3290

Deuteranomaly

67.8679, 0.3074, 0.3190

Tritanomaly

68.5079, 0.2824, 0.3175

Monochromacy



Original Color

68.7221, 0.2877, 0.3324

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.5746, 0.3034, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7221, 0.2877, 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(184, 224, 221)` looks like.

```
.text, #text, p{  
    color:rgb(184, 224, 221)  
}
```

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(184, 224, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 224, 221) }
```

Border

The CSS property to change the border of an element to Yxy 68.7221, 0.2877, 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(184, 224, 221) }
```

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

```
.border{ border-color:rgb(184, 224, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 224, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(184, 224,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7221, 0.2877, 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(184, 224, 221) }
```

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

```
.background{ background-color: rgb(184,  
224, 221) }
```

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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