

Converting Colors

$Yxy(67.7072, 0.2803, 0.3351)$

Have a look what the booklet for
Yxy(67.7072, 0.2803, 0.3351)
contains.

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Color

Yxy(67.6757, 0.2802, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	ABE1DC
RGB	171, 225, 220
RGB Percent	67%, 88%, 86%
CMY	0.3298, 0.1176, 0.1373
CMYK	0.24, 0.00, 0.02, 0.12
HSL	174°, 47%, 78%
HSV	174°, 24%, 88%
XYZ	56.6221, 67.6757, 77.7796
YIQ	208.2840, -30.5790, -13.0030

Conversions

Conversions Part 2

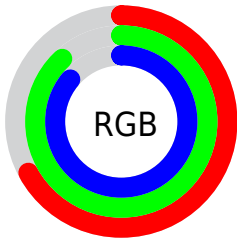
Format	Color
RYB	171, 199, 225
Decimal	11264476
CIELab	85.84, -18.27, -3.19
CIELCh	86, 18.547, 189.911
Yxy	67.6757, 0.2802, 0.3349
Android (android.graphics.Color)	4289454556 (0xFFABE1DC)
YUV	208.2840, 5.7760, -32.6981
Hunter-Lab	82.2652, -21.1050, 1.5286

Details

The Yxy color **67.6757, 0.2802, 0.3349** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2366, 0.3581, 0.3233**, and the grayscale version is **63.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **35.2480, 0.2724, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **65.2543, 0.2684, 0.3377**, and if you desaturate by 10%, it is **70.5341, 0.2932, 0.3323**.

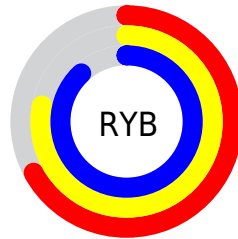
Distribution



Red (67%)

Green (88%)

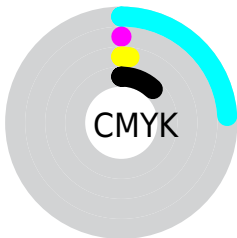
Blue (86%)



Red (67%)

Yellow (78%)

Blue (88%)

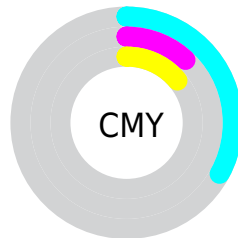


Cyan (24%)

Magenta (0%)

Yellow (2%)

Black (12%)



Cyan (33%)


Magenta (12%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6757, 0.2802, 0.3349 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 67.6757, 0.2802, 0.3349 by changing the saturation by 10% instead.

 67.6757, 0.2802,
0.3349

 67.6757, 0.2802,
0.3349

452.3461, 0.2953,
0.3323

 49.6339, 0.2767,
0.3355


 115.8881, 0.2855,
0.3340

 35.1226, 0.2724,
0.3362

146.8275, 0.2875,
0.3337

 23.7574, 0.2669,
0.3370


182.8349, 0.2893,
0.3334

 15.1537, 0.2597,
0.3381

224.2948, 0.2908,
0.3331

 8.9273, 0.2498,
0.3395

271.5914, 0.2922,
0.3328

 4.6938, 0.2355,
0.3413

325.1093, 0.2933,

 2.0688, 0.2128,

0.3326

0.3437

385.2327, 0.2944,
0.3325

0.6470, 0.0969,
0.3711

0.0000, 0.0000,
0.0000

67.6757, 0.2802,
0.3349

67.6757, 0.2802,
0.3349

65.2543, 0.2684,
0.3377

70.5341, 0.2932,
0.3323

63.2398, 0.2580,
0.3407


73.8414, 0.3070,
0.3299

61.6113, 0.2492,
0.3437


77.6194, 0.3213,
0.3277

60.3426, 0.2423,
0.3469


80.7455, 0.3317,
0.3257


 59.4044, 0.2373,
0.3501


 80.8627, 0.3303,
0.3237


 58.7627, 0.2343,
0.3533


 80.9814, 0.3289,
0.3216

 58.3760, 0.2330,
0.3565

 81.1015, 0.3275,
0.3195

 58.2273, 0.2329,
0.3583

 81.2231, 0.3261,
0.3175

 81.3460, 0.3247,
0.3154

Harmonies

Analogous

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



67.6757, 0.2989, 0.3551



67.6757, 0.2802, 0.3349



67.6757, 0.2702, 0.3138

Triad

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



67.6757, 0.2802, 0.3349



67.6757, 0.3024, 0.2937



67.6757, 0.3559, 0.3586

Complementary

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



67.6757, 0.2802, 0.3349



48.2366, 0.3581, 0.3233

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.



67.6757, 0.3572, 0.3415



67.6757, 0.2802, 0.3349



67.6757, 0.3257, 0.3049

Square

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



67.6757, 0.2802, 0.3349



67.6757, 0.2826, 0.2910



67.6757, 0.3460, 0.3221



67.6757, 0.3428, 0.3686

Rectangle

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



67.6757, 0.2802, 0.3349



67.6757, 0.2695, 0.3024



67.6757, 0.3460, 0.3221



67.6757, 0.3578, 0.3535

Sweetspot

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



67.6785, 0.2802, 0.3349



96.6638, 0.3027, 0.3306



66.0685, 0.3133, 0.3961



20.6316, 0.3019, 0.3307



0.0000, 0.0000, 0.0000



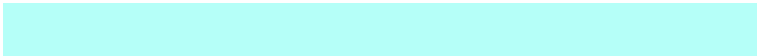
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6785, 0.2802, 0.3349



88.1344, 0.2739, 0.3363



56.9770, 0.2752, 0.3026



15.5492, 0.2994, 0.3312



33.5543, 0.2327, 0.3578



2.3323, 0.2314, 0.3530

Inverse Universe

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



48.2366, 0.3581, 0.3233



57.9560, 0.3714, 0.3220



56.8928, 0.3570, 0.3540



13.7211, 0.3277, 0.3269



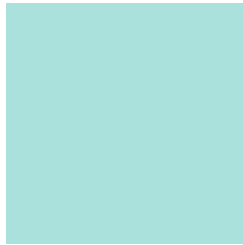
9.2628, 0.6291, 0.3239



0.6493, 0.6017, 0.3088

Previews

White Background



This preview shows how the Yxy color 67.6757, 0.2802, 0.3349 looks on a white background.

Color Contrast Check

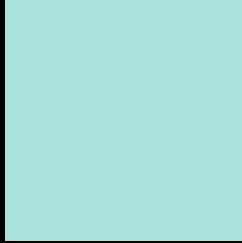
Large Text (above 18pt) WCAG AA × Fail

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 67.6757, 0.2802, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

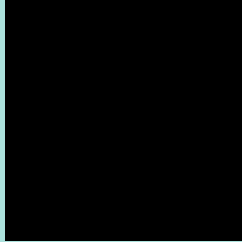
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

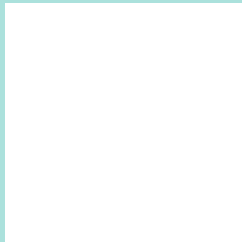
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6757, 0.2802, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 67.6757, 0.2802, 0.3349.

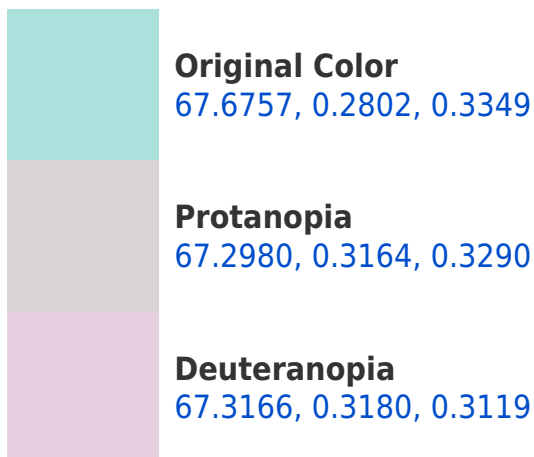


This preview shows how white text looks on a background with the Yxy color 67.6757, 0.2802, 0.3349.

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

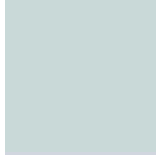
67.6478, 0.2712, 0.3081

Trichromacy



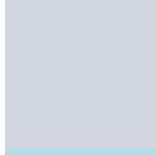
Original Color

67.6757, 0.2802, 0.3349



Protanomaly

67.0011, 0.3020, 0.3301



Deuteranomaly

66.9762, 0.3031, 0.3189



Tritanomaly

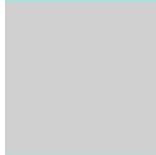
67.6572, 0.2745, 0.3172

Monochromacy



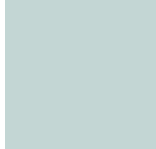
Original Color

67.6757, 0.2802, 0.3349



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.4487, 0.3004, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6757, 0.2802, 0.3349 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(171, 225, 220)` looks like.

```
.text, #text, p{  
    color:rgb(171, 225, 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(171, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 225, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.6757, 0.2802, 0.3349 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(171, 225, 220) }
```

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

```
.border{ border-color:rgb(171, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 225, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 225, 220);  
box-shadow:4px 4px 4px 4px rgb(171, 225,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6757, 0.2802, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 225, 220) }
```

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

```
.background{ background-color: rgb(171,  
225, 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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