

Converting Colors

$Yxy(65.7798, 0.2780, 0.3311)$

Have a look what the booklet for
Yxy(65.7798, 0.2780, 0.3311)
contains.

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Color

Yxy(65.7347, 0.2781, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	A8DEDC
RGB	168, 222, 220
RGB Percent	66%, 87%, 86%
CMY	0.3414, 0.1293, 0.1372
CMYK	0.24, 0.00, 0.01, 0.13
HSL	178°, 45%, 76%
HSV	178°, 24%, 87%
XYZ	55.1791, 65.7347, 77.5007
YIQ	205.6260, -31.5420, -12.0700

Conversions

Conversions Part 2

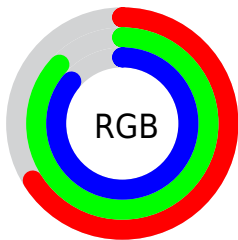
Format	Color
RYB	168, 196, 222
Decimal	11067100
CIELab	84.86, -17.64, -4.67
CIELCh	85, 18.246, 194.840
Yxy	65.7347, 0.2781, 0.3313
Android (android.graphics.Color)	4289257180 (0xFFA8DEDC)
YUV	205.6260, 7.0864, -32.9980
Hunter-Lab	81.0769, -20.4018, 0.0791

Details

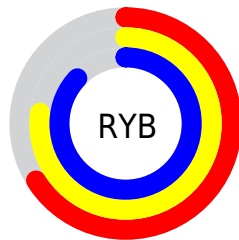
The Yxy color **65.7347, 0.2781, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4136, 0.3617, 0.3268**, and the grayscale version is **61.4332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **33.9315, 0.2696, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **63.4628, 0.2658, 0.3324**, and if you desaturate by 10%, it is **68.4281, 0.2917, 0.3303**.

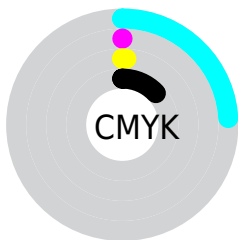
Distribution



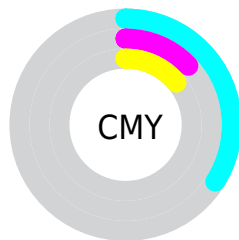
- Red (66%)
- Green (87%)
- Blue (86%)



- Red (66%)
- Yellow (77%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (34%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7347, 0.2781, 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 65.7347, 0.2781, 0.3313 by changing the saturation by 10% instead.


 65.7347, 0.2781,
0.3313

 65.7347, 0.2781,
0.3313


445.4275, 0.2943,
0.3304

 48.0571, 0.2744,
0.3315


 113.1055, 0.2837,
0.3310

 33.8721, 0.2697,
0.3316


 143.5674, 0.2859,
0.3309

 22.7953, 0.2638,
0.3318

179.0596, 0.2878,
0.3308

 14.4425, 0.2561,
0.3320

219.9663, 0.2894,
0.3307

 8.4290, 0.2454,
0.3321

266.6721, 0.2909,
0.3306

 4.3707, 0.2299,
0.3319

319.5613, 0.2921,

 1.8830, 0.2053,

0.3305

379.0183, 0.2933,
0.3305

0.3309

0.5381, 0.0528,
0.3513

0.0000, 0.0000,
0.0000

65.7347, 0.2781,
0.3313

65.7347, 0.2781,
0.3313

63.4628, 0.2658,
0.3324

68.4281, 0.2917,
0.3303

61.5833, 0.2549,
0.3335

71.5545, 0.3062,
0.3294


60.0759, 0.2458,
0.3347


75.1352, 0.3213,
0.3285

58.9151, 0.2386,
0.3359


78.8553, 0.3356,
0.3278

 58.0725, 0.2333,
0.3371

 78.8998, 0.3350,
0.3270


 57.5149, 0.2299,
0.3383


 78.9445, 0.3344,
0.3261

 57.2023, 0.2283,
0.3395

 78.9894, 0.3339,
0.3253

 57.0966, 0.2278,
0.3402

 79.0345, 0.3333,
0.3245

 79.0799, 0.3327,
0.3237

Harmonies

Analogous

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



65.7347, 0.2955, 0.3520



65.7347, 0.2781, 0.3313



65.7347, 0.2699, 0.3109

Triad

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



65.7347, 0.2781, 0.3313



65.7347, 0.3062, 0.2952



65.7347, 0.3542, 0.3607

Complementary

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



65.7347, 0.2781, 0.3313



46.4136, 0.3617, 0.3268

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.



65.7347, 0.3576, 0.3445



65.7347, 0.2781, 0.3313



65.7347, 0.3293, 0.3075

Square

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



65.7347, 0.2781, 0.3313



65.7347, 0.2856, 0.2910



65.7347, 0.3483, 0.3253



65.7347, 0.3395, 0.3690

Rectangle

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



65.7347, 0.2781, 0.3313



65.7347, 0.2704, 0.3003



65.7347, 0.3483, 0.3253



65.7347, 0.3568, 0.3559

Sweetspot

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



65.7374, 0.2781, 0.3313



96.7279, 0.3022, 0.3296



63.6937, 0.3114, 0.3974



20.6465, 0.3013, 0.3297



0.0000, 0.0000, 0.0000



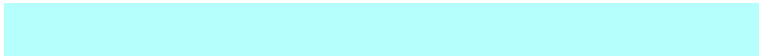
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7374, 0.2781, 0.3313



88.3949, 0.2719, 0.3318



53.8347, 0.2744, 0.2988



15.5631, 0.2987, 0.3298



33.9123, 0.2278, 0.3400



2.3534, 0.2273, 0.3382

Inverse Universe

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



46.4136, 0.3617, 0.3268



57.7797, 0.3750, 0.3263



56.1759, 0.3569, 0.3574



13.7087, 0.3286, 0.3282



9.2385, 0.6359, 0.3277



0.6433, 0.6241, 0.3212

Previews

White Background



This preview shows how the Yxy color 65.7347, 0.2781, 0.3313 looks on a white background.

Color Contrast Check

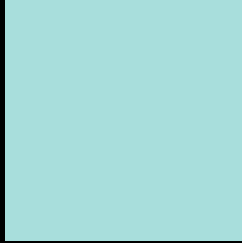
Large Text (above 18pt) WCAG AA × Fail

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 65.7347, 0.2781, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

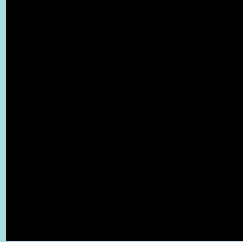
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

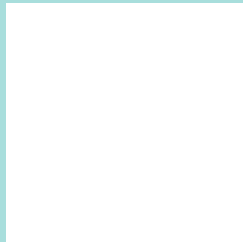
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7347, 0.2781, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 65.7347, 0.2781, 0.3313.

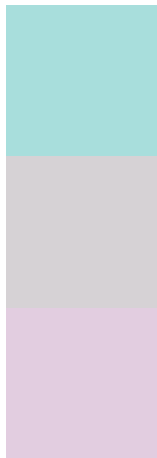


This preview shows how white text looks on a background with the Yxy color 65.7347, 0.2781, 0.3313.

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

65.7347, 0.2781, 0.3313

Protanopia

65.1934, 0.3136, 0.3256

Deuteranopia

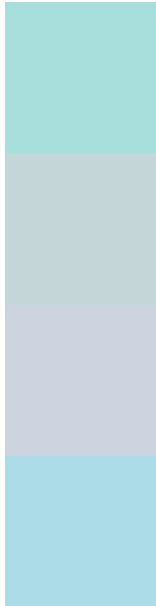
65.2132, 0.3152, 0.3084



Tritanopia

65.5481, 0.2707, 0.3079

Trichromacy



Original Color

65.7347, 0.2781, 0.3313

Protanomaly

64.9213, 0.2992, 0.3266

Deuteranomaly

64.8954, 0.3003, 0.3154

Tritanomaly

65.6138, 0.2735, 0.3159

Monochromacy



Original Color

65.7347, 0.2781, 0.3313

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.9966, 0.2989, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7347, 0.2781, 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(168, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 222, 220) }
```

Border

The CSS property to change the border of an element to Yxy 65.7347, 0.2781, 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(168, 222, 220) }
```

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

```
.border{ border-color:rgb(168, 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(168, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(168, 222,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7347, 0.2781, 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(168, 222, 220) }
```

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

```
.background{ background-color: rgb(168,  
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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