

Converting Colors

$Yxy(65.7666, 0.2875, 0.3434)$

Have a look what the booklet for
Yxy(65.7666, 0.2875, 0.3434)
contains.

Yxy(65.8944, 0.2877, 0.3434)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.8944, 0.2877, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	AEDED2
RGB	174, 222, 210
RGB Percent	68%, 87%, 82%
CMY	0.3177, 0.1294, 0.1764
CMYK	0.22, 0.00, 0.05, 0.13
HSL	165°, 42%, 78%
HSV	165°, 22%, 87%
XYZ	55.2062, 65.8944, 70.7875
YIQ	206.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

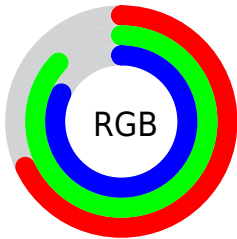
Format	Color
RYB	174, 201, 222
Decimal	11460306
CIELab	84.94, -17.92, 0.78
CIELCh	85, 17.937, 177.508
Yxy	65.8944, 0.2877, 0.3434
Android (android.graphics.Color)	4289650386 (0xFFAEDED2)
YUV	206.2800, 1.8340, -28.3096
Hunter-Lab	81.1754, -20.6615, 5.1200

Details

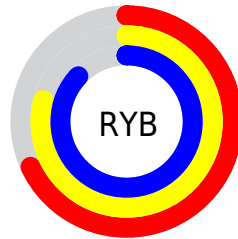
The Yxy color **65.8944, 0.2877, 0.3434** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3380, 0.3457, 0.3151**, and the grayscale version is **61.9090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **34.1027, 0.2816, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **63.2832, 0.2773, 0.3511**, and if you desaturate by 10%, it is **68.9420, 0.2990, 0.3364**.

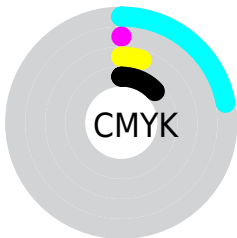
Distribution



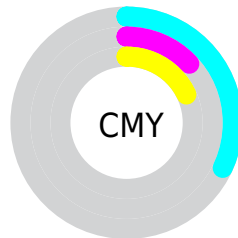
- Red (68%)
- Green (87%)
- Blue (82%)



- Red (68%)
- Yellow (79%)
- Blue (87%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)



- Cyan (32%)
- Magenta (13%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8944, 0.2877, 0.3434 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 65.8944, 0.2877, 0.3434 by changing the saturation by 10% instead.

■ 65.8944, 0.2877,
0.3434

■ 65.8944, 0.2877,
0.3434

445.9991, 0.2995,
0.3366

■ 48.1867, 0.2850,
0.3450

■ 113.3348, 0.2918,
0.3410

■ 33.9747, 0.2815,
0.3470

143.8362, 0.2934,
0.3401

■ 22.8742, 0.2772,
0.3495

179.3710, 0.2948,
0.3393

■ 14.5006, 0.2713,
0.3529

220.3235, 0.2960,
0.3386

■ 8.4697, 0.2633,
0.3576

267.0782, 0.2970,
0.3380

■ 4.3969, 0.2514,
0.3646

320.0194, 0.2979,

■ 1.8980, 0.2319,

0.3375

0.3762

379.5316, 0.2988,
0.3370

0.5472, 0.0705,
0.4673

0.0000, 0.0000,
0.0000

65.8944, 0.2877,
0.3434

65.8944, 0.2877,
0.3434

63.2832, 0.2773,
0.3511

68.9420, 0.2990,
0.3364

61.0795, 0.2680,
0.3593

72.4372, 0.3108,
0.3300

59.2634, 0.2601,
0.3680


76.4009, 0.3228,
0.3242


57.8103, 0.2540,
0.3770

79.3448, 0.3294,
0.3189

 56.6924, 0.2497,
0.3863


 79.6654, 0.3257,
0.3135

 55.8780, 0.2474,
0.3957

 79.9959, 0.3219,
0.3081

 55.3292, 0.2471,
0.4050

 80.3367, 0.3183,
0.3028

 55.0209, 0.2480,
0.4128

 80.6876, 0.3146,
0.2976

 80.7276, 0.3142,
0.2970

Harmonies

Analogous

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



65.8944, 0.3083, 0.3607



65.8944, 0.2877, 0.3434



65.8944, 0.2740, 0.3224

Triad

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



65.8944, 0.2877, 0.3434



65.8944, 0.2940, 0.2923



65.8944, 0.3569, 0.3516

Complementary

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



65.8944, 0.2877, 0.3434



49.3380, 0.3457, 0.3151

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.



65.8944, 0.3530, 0.3334



65.8944, 0.2877, 0.3434



65.8944, 0.3160, 0.3000

Square

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



65.8944, 0.2877, 0.3434



65.8944, 0.2775, 0.2936



65.8944, 0.3378, 0.3148



65.8944, 0.3486, 0.3648

Rectangle

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



65.8944, 0.2877, 0.3434



65.8944, 0.2704, 0.3096



65.8944, 0.3378, 0.3148



65.8944, 0.3570, 0.3459

Sweetspot

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



65.8971, 0.2877, 0.3434



96.9691, 0.3055, 0.3327



65.7398, 0.3184, 0.3876



20.6877, 0.3047, 0.3331



0.0000, 0.0000, 0.0000



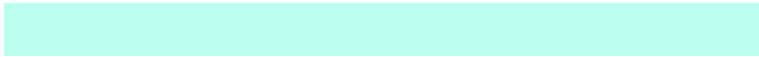
21.4041, 0.3127, 0.3290

Same Dimension

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



65.8971, 0.2877, 0.3434



88.4993, 0.2828, 0.3468



60.3640, 0.2796, 0.3144



15.5108, 0.3015, 0.3349



32.6969, 0.2476, 0.4114



2.2804, 0.2436, 0.3971

Inverse Universe

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



49.3380, 0.3457, 0.3151



61.9467, 0.3547, 0.3120



53.6973, 0.3535, 0.3431



13.7564, 0.3253, 0.3232



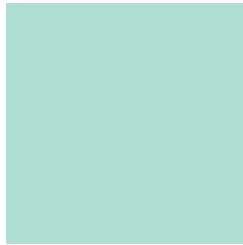
9.4058, 0.5922, 0.3036



0.6662, 0.5483, 0.2794

Previews

White Background



This preview shows how the Yxy color 65.8944, 0.2877, 0.3434 looks on a white background.

Color Contrast Check

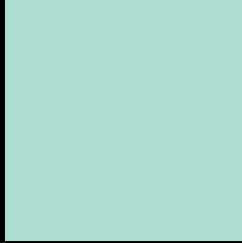
Large Text (above 18pt) WCAG AA × Fail

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 65.8944, 0.2877, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

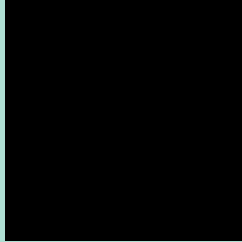
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

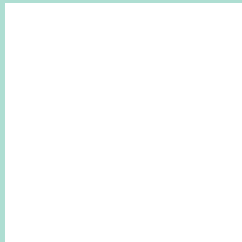
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8944, 0.2877, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 65.8944, 0.2877, 0.3434.

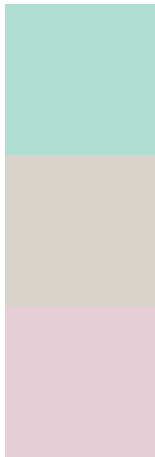


This preview shows how white text looks on a background with the Yxy color 65.8944, 0.2877, 0.3434.

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

65.8944, 0.2877, 0.3434

Protanopia

65.6999, 0.3221, 0.3369

Deuteranopia

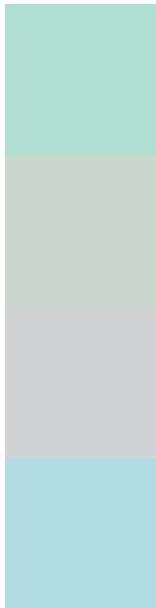
65.5066, 0.3262, 0.3193



Tritanopia

65.7826, 0.2754, 0.3081

Trichromacy



Original Color

65.8944, 0.2877, 0.3434

Protanomaly

65.4746, 0.3086, 0.3394

Deuteranomaly

65.0943, 0.3106, 0.3267

Tritanomaly

65.5562, 0.2794, 0.3195

Monochromacy



Original Color

65.8944, 0.2877, 0.3434

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.0613, 0.3030, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8944, 0.2877, 0.3434 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(174, 222, 210)` looks like.

```
.text, #text, p{  
    color:rgb(174, 222, 210)  
}
```

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(174, 222, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 222, 210) }
```

Border

The CSS property to change the border of an element to Yxy 65.8944, 0.2877, 0.3434 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(174, 222, 210) }
```

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

```
.border{ border-color:rgb(174, 222, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 222, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 222, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 222, 210);  
box-shadow:4px 4px 4px 4px rgb(174, 222,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8944, 0.2877, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 222, 210) }
```

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

```
.background{ background-color: rgb(174,  
222, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor