

Converting Colors

$Y_{xy}(69.7699, 0.2782, 0.3320)$

Have a look what the booklet for
Yxy(69.7699, 0.2782, 0.3320)
contains.

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Color

Yxy(69.6937, 0.2783, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	ACE4E1
RGB	172, 228, 225
RGB Percent	67%, 89%, 88%
CMY	0.3254, 0.1059, 0.1176
CMYK	0.25, 0.00, 0.01, 0.11
HSL	177°, 51%, 78%
HSV	177°, 25%, 89%
XYZ	58.3507, 69.6937, 81.6238
YIQ	210.9140, -32.4130, -12.8050

Conversions

Conversions Part 2

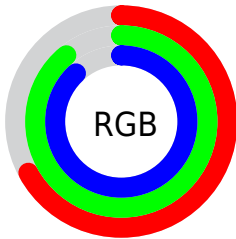
Format	Color
R _Y B	172, 201, 228
Decimal	11330785
CIE Lab	86.85, -18.35, -4.36
CIE LCh	87, 18.864, 193.370
Yxy	69.6937, 0.2783, 0.3324
Android (android.graphics.Color)	4289520865 (0xFFACE4E1)
YUV	210.9140, 6.9444, -34.1276
Hunter-Lab	83.4828, -21.3314, 0.4682

Details

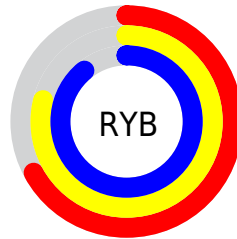
The Yxy color **69.6937, 0.2783, 0.3324** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.0984, 0.3615, 0.3257**, and the grayscale version is **65.0545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **36.2589, 0.2699, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **67.2680, 0.2661, 0.3340**, and if you desaturate by 10%, it is **72.5681, 0.2917, 0.3309**.

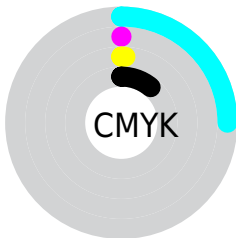
Distribution



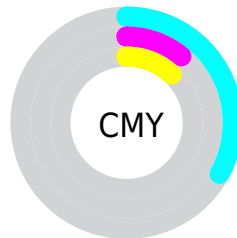
- Red (67%)
- Green (89%)
- Blue (88%)



- Red (67%)
- Yellow (79%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)




- Cyan (33%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6937, 0.2783, 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 69.6937, 0.2783, 0.3324 by changing the saturation by 10% instead.


 69.6937, 0.2783,
0.3324

 69.6937, 0.2783,
0.3324


459.4738, 0.2942,
0.3310

 51.2769, 0.2747,
0.3327


 118.7718, 0.2838,
0.3319

 36.4290, 0.2702,
0.3330


150.2019, 0.2860,
0.3318

 24.7657, 0.2645,
0.3334


186.7386, 0.2878,
0.3316

 15.9026, 0.2571,
0.3338

228.7662, 0.2894,
0.3315

 9.4552, 0.2469,
0.3343

276.6691, 0.2909,
0.3313

 5.0393, 0.2324,
0.3347

330.8317, 0.2921,

 2.2703, 0.2098,

0.3312

391.6385, 0.2932,
0.3311

0.3348

0.7579, 0.1255,
0.3492

0.0000, 0.0000,
0.0000

69.6937, 0.2783,
0.3324

69.6937, 0.2783,
0.3324

67.2680, 0.2661,
0.3340

72.5681, 0.2917,
0.3309

65.2599, 0.2555,
0.3356

75.9037, 0.3060,
0.3296

63.6477, 0.2465,
0.3374

79.7229, 0.3209,
0.3283

62.4042, 0.2394,
0.3391

82.4535, 0.3304,
0.3272

■ 61.4989, 0.2343,
0.3409

■ 82.5219, 0.3295,
0.3260

■ 60.8964, 0.2311,
0.3427

■ 82.5908, 0.3287,
0.3248

■ 60.5533, 0.2296,
0.3445

■ 82.6601, 0.3279,
0.3236

■ 60.4379, 0.2293,
0.3454

■ 82.7300, 0.3271,
0.3224

■ 82.8003, 0.3263,
0.3212

Harmonies

Analogous

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



69.6937, 0.2963, 0.3532



69.6937, 0.2783, 0.3324



69.6937, 0.2694, 0.3115

Triad

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



69.6937, 0.2783, 0.3324



69.6937, 0.3050, 0.2943



69.6937, 0.3553, 0.3605

Complementary

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



69.6937, 0.2783, 0.3324



49.0984, 0.3615, 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.



69.6937, 0.3580, 0.3438



69.6937, 0.2783, 0.3324



69.6937, 0.3284, 0.3065

Square

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



69.6937, 0.2783, 0.3324



69.6937, 0.2844, 0.2905



69.6937, 0.3481, 0.3243



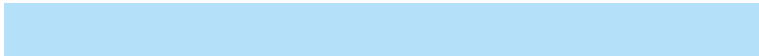
69.6937, 0.3408, 0.3694

Rectangle

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



69.6937, 0.2783, 0.3324



69.6937, 0.2696, 0.3006



69.6937, 0.3481, 0.3243



69.6937, 0.3576, 0.3555

Sweetspot

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



69.6965, 0.2783, 0.3324



96.7093, 0.3024, 0.3299



67.6666, 0.3120, 0.3980



20.6421, 0.3015, 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.



69.6965, 0.2783, 0.3324



88.3188, 0.2725, 0.3331



57.4351, 0.2741, 0.2996



16.3225, 0.2989, 0.3302



34.9045, 0.2292, 0.3451



2.5834, 0.2285, 0.3426

Inverse Universe

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



49.0984, 0.3615, 0.3257



57.8303, 0.3740, 0.3251



59.0765, 0.3577, 0.3567



14.3804, 0.3284, 0.3278



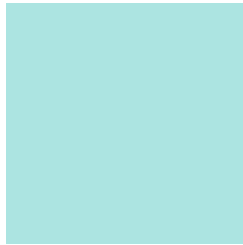
9.5451, 0.6343, 0.3268



0.7098, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 69.6937, 0.2783, 0.3324 looks on a white background.

Color Contrast Check

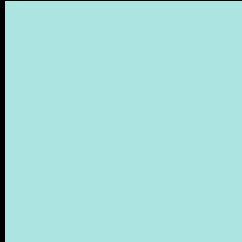
Large Text (above 18pt) WCAG AA × Fail

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 69.6937, 0.2783, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

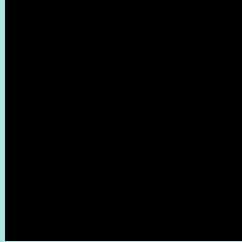
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

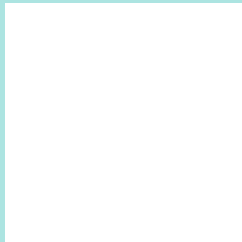
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6937, 0.2783, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 69.6937, 0.2783, 0.3324.

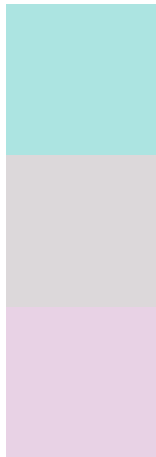


This preview shows how white text looks on a background with the Yxy color 69.6937, 0.2783, 0.3324.

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

69.6937, 0.2783, 0.3324

Protanopia

69.3893, 0.3143, 0.3268

Deuteranopia

68.9061, 0.3159, 0.3089



Tritanopia

69.5516, 0.2705, 0.3083

Trichromacy



Original Color

69.6937, 0.2783, 0.3324

Protanomaly

69.1034, 0.3002, 0.3278

Deuteranomaly

68.9288, 0.3006, 0.3168

Tritanomaly

69.5628, 0.2738, 0.3173

Monochromacy



Original Color

69.6937, 0.2783, 0.3324

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.4539, 0.2992, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6937, 0.2783, 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(172, 228, 225)` looks like.

```
.text, #text, p{  
    color:rgb(172, 228, 225)  
}
```

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(172, 228, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 228, 225) }
```

Border

The CSS property to change the border of an element to Yxy 69.6937, 0.2783, 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(172, 228, 225) }
```

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

```
.border{ border-color:rgb(172, 228, 225) }
```

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

Here you see how a box with a 4 pixel rgb(172, 228, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 228, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 228, 225);  
box-shadow:4px 4px 4px 4px rgb(172, 228,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6937, 0.2783, 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(172, 228, 225) }
```

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

```
.background{ background-color: rgb(172,  
228, 225) }
```

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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