

Converting Colors

$Yxy(71.6549, 0.2839, 0.3567)$

Have a look what the booklet for
Yxy(71.6549, 0.2839, 0.3567)
contains.

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Color

Yxy(71.7643, 0.2837, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	A7EAD3
RGB	167, 234, 211
RGB Percent	65%, 92%, 83%
CMY	0.3449, 0.0824, 0.1725
CMYK	0.29, 0.00, 0.10, 0.08
HSL	159°, 61%, 79%
HSV	159°, 29%, 92%
XYZ	57.1255, 71.7643, 72.4691
YIQ	211.3450, -32.5490, -21.3570

Conversions

Conversions Part 2

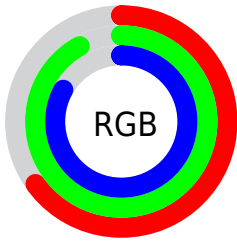
Format	Color
RYB	167, 207, 234
Decimal	11004627
CIELab	87.86, -25.69, 4.44
CIELCh	88, 26.076, 170.196
Yxy	71.7643, 0.2837, 0.3564
Android (android.graphics.Color)	4289194707 (0xFFA7EAD3)
YUV	211.3450, -0.1701, -38.8906
Hunter-Lab	84.7138, -27.8803, 8.5796

Details

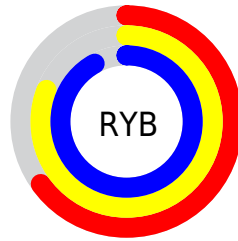
The Yxy color **71.7643, 0.2837, 0.3564** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.8694, 0.3542, 0.3034**, and the grayscale version is **65.4075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **37.7858, 0.2763, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **69.0509, 0.2750, 0.3677**, and if you desaturate by 10%, it is **74.9648, 0.2933, 0.3460**.

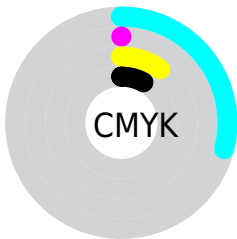
Distribution



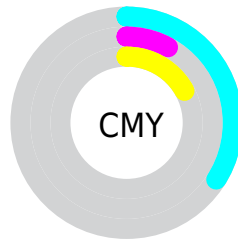
- Red (65%)
- Green (92%)
- Blue (83%)



- Red (65%)
- Yellow (81%)
- Blue (92%)



- Cyan (29%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)




- Cyan (34%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7643, 0.2837, 0.3564 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 71.7643, 0.2837, 0.3564 by changing the saturation by 10% instead.

 71.7643, 0.2837,
0.3564

 71.7643, 0.2837,
0.3564

466.7208, 0.2973,
0.3435

 52.9662, 0.2806,
0.3594


 121.7214, 0.2884,
0.3519

 37.7758, 0.2767,
0.3632

 153.6491, 0.2903,
0.3501

 25.8087, 0.2717,
0.3680


190.7221, 0.2918,
0.3486

 16.6806, 0.2652,
0.3744

233.3249, 0.2932,
0.3473

 10.0070, 0.2563,
0.3834

281.8417, 0.2944,
0.3462

 5.4036, 0.2432,
0.3966


336.6570, 0.2955,

 2.4860, 0.2224,


0.3452

0.4183


398.1553, 0.2964,
0.3443


 0.8696, 0.1169,
0.5099

 0.0000, 0.0000,
0.0000


 71.7643, 0.2837,
0.3564


 71.7643, 0.2837,
0.3564

 69.0509, 0.2750,
0.3677


 74.9648, 0.2933,
0.3460

 66.7907, 0.2676,
0.3799

 78.6670, 0.3036,
0.3364

 64.9591, 0.2617,
0.3926


 82.8955, 0.3142,
0.3279

 63.5255, 0.2576,
0.4058


 86.5826, 0.3211,
0.3201


 62.4552, 0.2555,
0.4191

 87.0794, 0.3160,
0.3124

 61.7071, 0.2555,
0.4324

 87.3224, 0.3137,
0.3088

 61.2212, 0.2573,
0.4455

 61.1628, 0.2576,
0.4473

Harmonies

Analogous

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



71.7643, 0.3138, 0.3787



71.7643, 0.2837, 0.3564



71.7643, 0.2620, 0.3263

Triad

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



71.7643, 0.2837, 0.3564



71.7643, 0.2796, 0.2772



71.7643, 0.3757, 0.3542

Complementary

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



71.7643, 0.2837, 0.3564



48.8694, 0.3542, 0.3034

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.



71.7643, 0.3659, 0.3281



71.7643, 0.2837, 0.3564



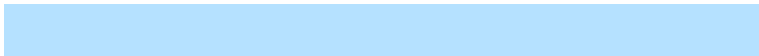
71.7643, 0.3091, 0.2852

Square

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



71.7643, 0.2837, 0.3564



71.7643, 0.2598, 0.2816



71.7643, 0.3410, 0.3034



71.7643, 0.3676, 0.3755

Rectangle

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



71.7643, 0.2837, 0.3564



71.7643, 0.2548, 0.3072



71.7643, 0.3410, 0.3034



71.7643, 0.3744, 0.3457

Sweetspot

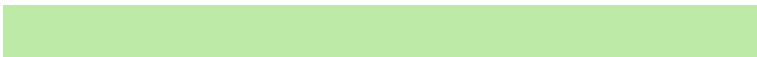
The Sweet Spot groups the original color and five complimentary colors.



71.7672, 0.2837, 0.3564



95.4068, 0.3031, 0.3368



72.6441, 0.3245, 0.4082



20.2726, 0.3016, 0.3382



0.0000, 0.0000, 0.0000



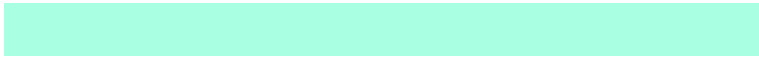
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7672, 0.2837, 0.3564



85.3260, 0.2787, 0.3626



67.4482, 0.2700, 0.3171



17.0289, 0.3027, 0.3372



34.3967, 0.2570, 0.4452



2.7189, 0.2520, 0.4271

Inverse Universe

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



48.8694, 0.3542, 0.3034



53.4571, 0.3653, 0.2981



51.7662, 0.3727, 0.3405



15.1395, 0.3239, 0.3209



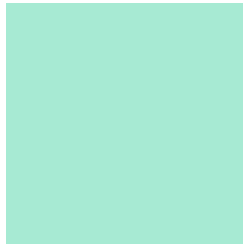
10.1797, 0.5599, 0.2858



0.8168, 0.5212, 0.2645

Previews

White Background



This preview shows how the Yxy color 71.7643, 0.2837, 0.3564 looks on a white background.

Color Contrast Check

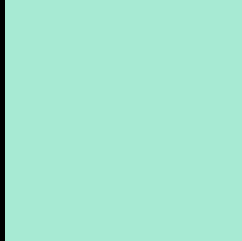
Large Text (above 18pt) WCAG AA × Fail

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 71.7643, 0.2837, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

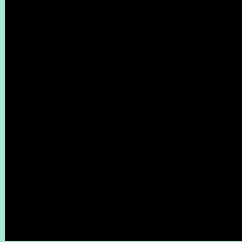
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

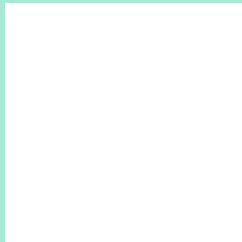
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7643, 0.2837, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 71.7643, 0.2837, 0.3564.

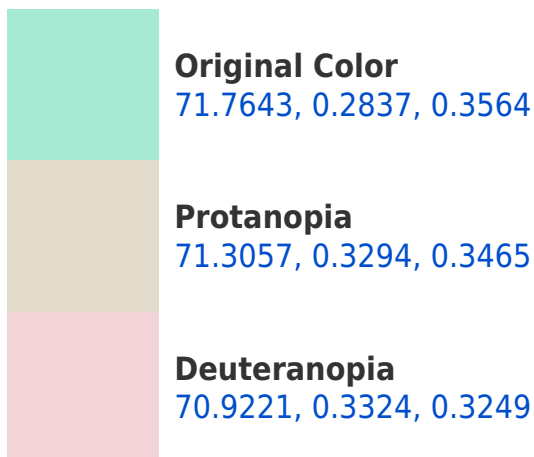


This preview shows how white text looks on a background with the Yxy color 71.7643, 0.2837, 0.3564.

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

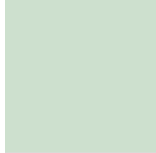
71.8680, 0.2683, 0.3085

Trichromacy



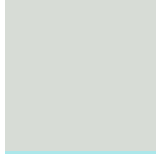
Original Color

71.7643, 0.2837, 0.3564



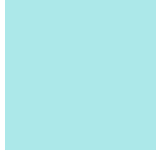
Protanomaly

70.7467, 0.3111, 0.3495



Deuteranomaly

70.4885, 0.3131, 0.3357



Tritanomaly

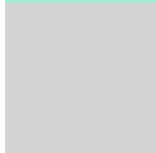
71.8630, 0.2737, 0.3254

Monochromacy



Original Color

71.7643, 0.2837, 0.3564



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.9683, 0.3010, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7643, 0.2837, 0.3564 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(167, 234, 211)` looks like.

```
.text, #text, p{  
    color:rgb(167, 234, 211)  
}
```

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(167, 234, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 234, 211) }
```

Border

The CSS property to change the border of an element to Yxy 71.7643, 0.2837, 0.3564 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(167, 234, 211) }
```

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

```
.border{ border-color:rgb(167, 234, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 234, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 234, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 234, 211);  
box-shadow:4px 4px 4px 4px rgb(167, 234,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7643, 0.2837, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 234, 211) }
```

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

```
.background{ background-color: rgb(167,  
234, 211) }
```

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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