

Converting Colors

$Yxy(71.8652, 0.2826, 0.3540)$

Have a look what the booklet for
Yxy(71.8652, 0.2826, 0.3540)
contains.

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Color

Yxy(71.8652, 0.2826, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	A7EAD5
RGB	167, 234, 213
RGB Percent	65%, 92%, 84%
CMY	0.3450, 0.0823, 0.1648
CMYK	0.29, 0.00, 0.09, 0.08
HSL	161°, 61%, 79%
HSV	161°, 29%, 92%
XYZ	57.3704, 71.8652, 73.7735
YIQ	211.5730, -33.1910, -20.7350

Conversions

Conversions Part 2

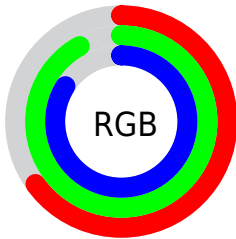
Format	Color
R _{YB}	167, 207, 234
Decimal	11004629
CIE Lab	87.90, -25.30, 3.48
CIE LCh	88, 25.541, 172.163
Yxy	71.8652, 0.2826, 0.3540
Android (android.graphics.Color)	4289194709 (0xFFA7EAD5)
YUV	211.5730, 0.7035, -39.0905
Hunter-Lab	84.7733, -27.5535, 7.7446

Details

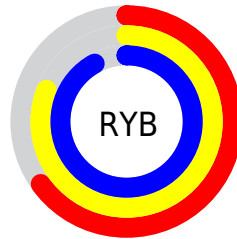
The Yxy color **71.8652, 0.2826, 0.3540** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.7761, 0.3560, 0.3055**, and the grayscale version is **65.5562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **37.8201, 0.2757, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **69.1805, 0.2736, 0.3643**, and if you desaturate by 10%, it is **75.0338, 0.2926, 0.3445**.

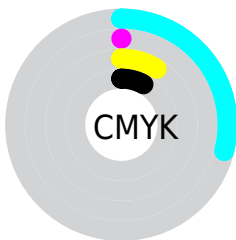
Distribution



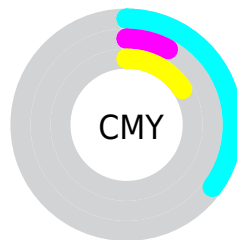
- Red (65%)
- Green (92%)
- Blue (84%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)




- Cyan (35%)
- Magenta (8%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8652, 0.2826, 0.3540 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 71.8652, 0.2826, 0.3540 by changing the saturation by 10% instead.


 71.8652, 0.2826,
0.3540


 71.8652, 0.2826,
0.3540

467.0723, 0.2966,
0.3422

 53.0486, 0.2794,
0.3567


 121.8649, 0.2875,
0.3499

 37.8415, 0.2754,
0.3601


 153.8167, 0.2894,
0.3483

 25.8597, 0.2703,
0.3645


190.9157, 0.2910,
0.3469

 16.7187, 0.2636,
0.3703

233.5463, 0.2924,
0.3457

 10.0342, 0.2544,
0.3783

282.0928, 0.2937,
0.3447

 5.4216, 0.2411,
0.3901

336.9397, 0.2948,

 2.4967, 0.2200,

0.3438

398.4714, 0.2958,
0.3430

0.4094

0.8750, 0.1190,
0.4866

0.0000, 0.0000,
0.0000

71.8652, 0.2826,
0.3540

71.8652, 0.2826,
0.3540

69.1805, 0.2736,
0.3643

75.0338, 0.2926,
0.3445

66.9458, 0.2659,
0.3753


78.7008, 0.3032,
0.3358


65.1367, 0.2597,
0.3869


82.8907, 0.3143,
0.3280


63.7225, 0.2554,
0.3988


86.5398, 0.3216,
0.3209


 62.6686, 0.2531,
0.4109

 86.9913, 0.3170,
0.3138

 61.9341, 0.2528,
0.4230

 87.3268, 0.3137,
0.3088

 61.4588, 0.2543,
0.4349

 61.4021, 0.2546,
0.4365

Harmonies

Analogous

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



71.8652, 0.3117, 0.3766



71.8652, 0.2826, 0.3540



71.8652, 0.2621, 0.3245

Triad

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



71.8652, 0.2826, 0.3540



71.8652, 0.2820, 0.2783



71.8652, 0.3744, 0.3553

Complementary

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



71.8652, 0.2826, 0.3540



48.7761, 0.3560, 0.3055

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.



71.8652, 0.3659, 0.3299



71.8652, 0.2826, 0.3540



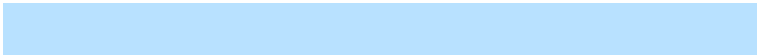
71.8652, 0.3113, 0.2869

Square

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



71.8652, 0.2826, 0.3540



71.8652, 0.2618, 0.2819



71.8652, 0.3423, 0.3054



71.8652, 0.3654, 0.3756

Rectangle

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



71.8652, 0.2826, 0.3540



71.8652, 0.2556, 0.3061



71.8652, 0.3423, 0.3054



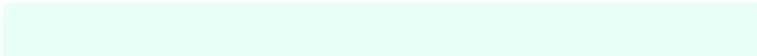
71.8652, 0.3735, 0.3471

Sweetspot

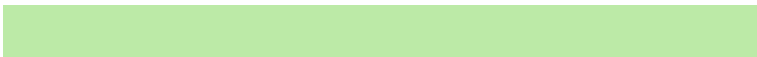
The Sweet Spot groups the original color and five complimentary colors.



71.8681, 0.2826, 0.3540



95.4485, 0.3028, 0.3362



72.3599, 0.3230, 0.4086



20.2829, 0.3012, 0.3374



0.0000, 0.0000, 0.0000



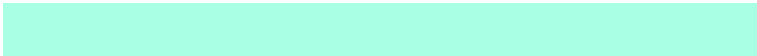
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8681, 0.2826, 0.3540



85.4661, 0.2775, 0.3596



66.2559, 0.2697, 0.3144



17.0367, 0.3023, 0.3365



34.5277, 0.2541, 0.4346



2.7285, 0.2495, 0.4181

Inverse Universe

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



48.7761, 0.3560, 0.3055



53.3406, 0.3677, 0.3008



52.6488, 0.3720, 0.3431



15.1320, 0.3244, 0.3216



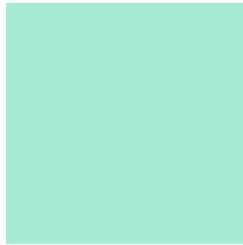
10.1240, 0.5708, 0.2918



0.8118, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 71.8652, 0.2826, 0.3540 looks on a white background.

Color Contrast Check

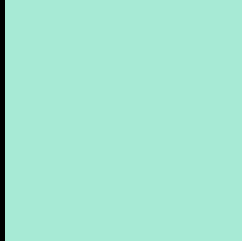
Large Text (above 18pt) WCAG AA × Fail

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 71.8652, 0.2826, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

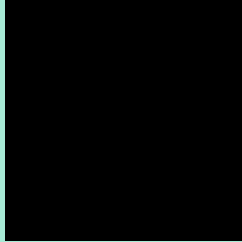
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

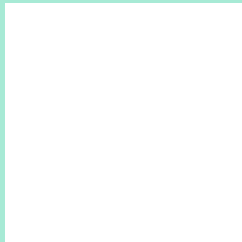
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8652, 0.2826, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 71.8652, 0.2826, 0.3540.



This preview shows how white text looks on a background with the Yxy color 71.8652, 0.2826, 0.3540.

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

71.8652, 0.2826, 0.3540

Protanopia

71.4017, 0.3280, 0.3443

Deuteranopia

71.2990, 0.3308, 0.3249



Tritanopia

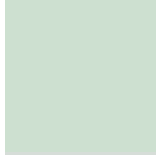
71.7527, 0.2677, 0.3085

Trichromacy



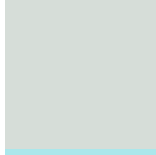
Original Color

71.8652, 0.2826, 0.3540



Protanomaly

70.8445, 0.3098, 0.3471



Deuteranomaly

70.9669, 0.3110, 0.3345



Tritanomaly

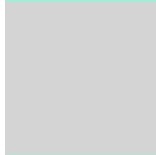
71.8079, 0.2726, 0.3243

Monochromacy



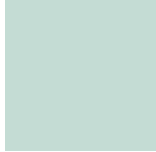
Original Color

71.8652, 0.2826, 0.3540



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.6756, 0.3011, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8652, 0.2826, 0.3540 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(167, 234, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 234, 213) }
```

Border

The CSS property to change the border of an element to Yxy 71.8652, 0.2826, 0.3540 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, 213) }
```

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

```
.border{ border-color:rgb(167, 234, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 234, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 234, 213);  
box-shadow:4px 4px 4px 4px rgb(167, 234,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8652, 0.2826, 0.3540 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, 213) }
```

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

```
.background{ background-color: rgb(167,  
234, 213) }
```

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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