

Converting Colors

$Yxy(68.8717, 0.2589, 0.3453)$

Have a look what the booklet for
Yxy(68.8717, 0.2589, 0.3453)
contains.

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Color

Yxy(68.7332, 0.2586, 0.3450)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 81EADD |
| RGB | 129, 234, 221 |
| RGB Percent | 51%, 92%, 87% |
| CMY | 0.4944, 0.0823, 0.1332 |
| CMYK | 0.45, 0.00, 0.06, 0.08 |
| HSL | 173°, 71%, 71% |
| HSV | 173°, 45%, 92% |
| XYZ | 51.5200, 68.7332, 78.9735 |
| YIQ | 201.1230, -58.4070, -26.3030 |

Conversions

Conversions Part 2

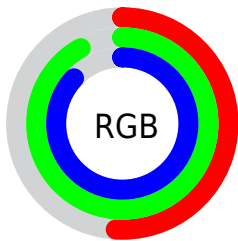
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 129, 185, 234 |
| Decimal | 8514269 |
| CIE _{Lab} | 86.37, -33.58, -3.19 |
| CIE _{LCh} | 86, 33.732, 185.431 |
| Yxy | 68.7332, 0.2586, 0.3450 |
| Android (android.graphics.Color) | 4286704349 (0xFF81EADD) |
| YUV | 201.1230, 9.7994, -63.2519 |
| Hunter-Lab | 82.9055, -34.1592, 1.5558 |

Details

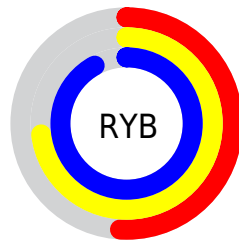
The Yxy color **68.7332, 0.2586, 0.3450** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.1243, 0.4178, 0.3146**, and the grayscale version is **58.4446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **35.8961, 0.2462, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **66.9569, 0.2502, 0.3492**, and if you desaturate by 10%, it is **70.9370, 0.2686, 0.3410**.

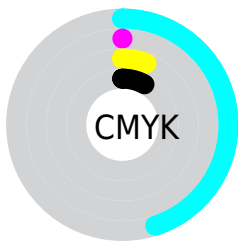
Distribution



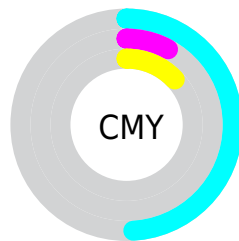
- Red (51%)
- Green (92%)
- Blue (87%)



- Red (51%)
- Yellow (73%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)




- Cyan (49%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7332, 0.2586, 0.3450 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 68.7332, 0.2586, 0.3450 by changing the saturation by 10% instead.

 68.7332, 0.2586,
0.3450

 68.7332, 0.2586,
0.3450


456.0894, 0.2836,
0.3378


 50.4945, 0.2529,
0.3466


 117.4004, 0.2673,
0.3426

 35.8064, 0.2459,
0.3485


 148.5977, 0.2707,
0.3416

 24.2847, 0.2370,
0.3509


 184.8833, 0.2736,
0.3408

 15.5450, 0.2254,
0.3539

226.6415, 0.2761,
0.3400

 9.2027, 0.2098,
0.3578

274.2569, 0.2783,
0.3394

 4.8737, 0.1876,
0.3630

328.1137, 0.2803,

 2.1733, 0.1540,

0.3388

388.5964, 0.2821,
0.3383

0.3700

0.7054, 0.0000,
0.4157

0.0000, 0.0000,
0.0000

68.7332, 0.2586,
0.3450

68.7332, 0.2586,
0.3450

66.9569, 0.2502,
0.3492

70.9370, 0.2686,
0.3410

65.5710, 0.2437,
0.3535


73.5866, 0.2800,
0.3372

64.5455, 0.2392,
0.3578


76.7088, 0.2926,
0.3337

63.8422, 0.2365,
0.3622


80.3260, 0.3059,
0.3305

 63.4145, 0.2357,
0.3665


 84.4591, 0.3198,
0.3275

 63.2655, 0.2357,
0.3686

 86.3087, 0.3242,
0.3248

 86.4805, 0.3223,
0.3219

 86.6550, 0.3205,
0.3191

 86.8322, 0.3186,
0.3163

Harmonies

Analogous

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



68.7332, 0.2928, 0.3824



68.7332, 0.2586, 0.3450



68.7332, 0.2392, 0.3053

Triad

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



68.7332, 0.2586, 0.3450



68.7332, 0.2876, 0.2657



68.7332, 0.3928, 0.3762

Complementary

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



68.7332, 0.2586, 0.3450



35.1243, 0.4178, 0.3146

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.



68.7332, 0.3922, 0.3442



68.7332, 0.2586, 0.3450



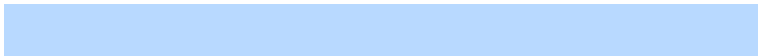
68.7332, 0.3292, 0.2831

Square

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



68.7332, 0.2586, 0.3450



68.7332, 0.2551, 0.2627



68.7332, 0.3684, 0.3110



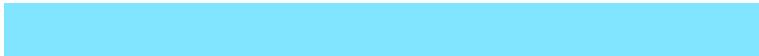
68.7332, 0.3708, 0.3987

Rectangle

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



68.7332, 0.2586, 0.3450



68.7332, 0.2364, 0.2841



68.7332, 0.3684, 0.3110



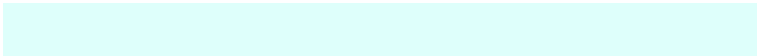
68.7332, 0.3953, 0.3662

Sweetspot

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



68.7359, 0.2586, 0.3450



93.9848, 0.2950, 0.3331



66.2698, 0.3145, 0.4662



19.9203, 0.2921, 0.3338



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.



68.7359, 0.2586, 0.3450



81.4946, 0.2507, 0.3489



49.8473, 0.2437, 0.2792



17.0880, 0.2998, 0.3319



35.5599, 0.2356, 0.3680



2.8013, 0.2339, 0.3620

Inverse Universe

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



35.1243, 0.4178, 0.3146



35.7828, 0.4535, 0.3123



46.8816, 0.4119, 0.3729



15.0843, 0.3273, 0.3261



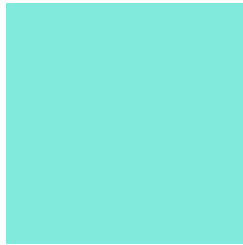
9.8892, 0.6243, 0.3213



0.7864, 0.5942, 0.3047

Previews

White Background



This preview shows how the Yxy color 68.7332, 0.2586, 0.3450 looks on a white background.

Color Contrast Check

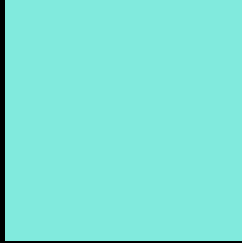
Large Text (above 18pt) WCAG AA × Fail

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 68.7332, 0.2586, 0.3450 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 68.7332, 0.2586, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 68.7332, 0.2586, 0.3450.

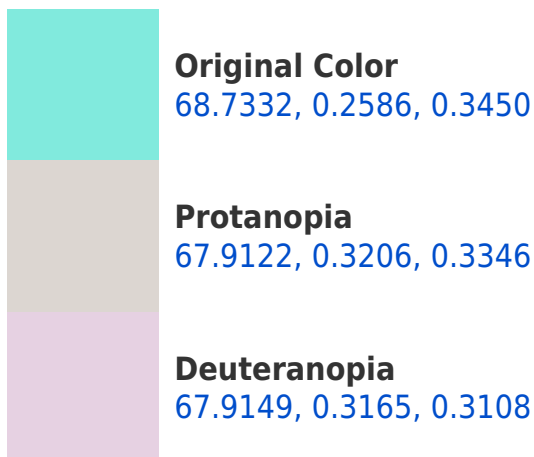


This preview shows how white text looks on a background with the Yxy color 68.7332, 0.2586, 0.3450.

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

68.6893, 0.2487, 0.3075

Trichromacy



Original Color

68.7332, 0.2586, 0.3450



Protanomaly

67.0818, 0.2944, 0.3383



Deuteranomaly

66.8621, 0.2915, 0.3220



Tritanomaly

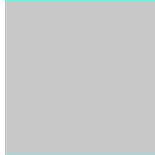
68.3932, 0.2522, 0.3204

Monochromacy



Original Color

68.7332, 0.2586, 0.3450



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2565, 0.2891, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7332, 0.2586, 0.3450 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(129, 234, 221)` looks like.

```
.text, #text, p{  
    color:rgb(129, 234, 221)  
}
```

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(129, 234, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 234, 221) }
```

Border

The CSS property to change the border of an element to Yxy 68.7332, 0.2586, 0.3450 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(129, 234, 221) }
```

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

```
.border{ border-color:rgb(129, 234, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 234, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 234, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 234, 221);  
box-shadow:4px 4px 4px 4px rgb(129, 234,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7332, 0.2586, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 234, 221) }
```

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

```
.background{ background-color: rgb(129,  
234, 221) }
```

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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