

Converting Colors

$Yxy(85.6604, 0.2691, 0.3333)$

Have a look what the booklet for
Yxy(85.6604, 0.2691, 0.3333)
contains.

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Color

Yxy(85.8608, 0.2687, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	ACFDF9
RGB	172, 253, 249
RGB Percent	67%, 99%, 98%
CMY	0.3258, 0.0078, 0.0236
CMYK	0.32, 0.00, 0.02, 0.01
HSL	177°, 95%, 83%
HSV	177°, 32%, 99%
XYZ	69.2193, 85.8608, 102.5280
YIQ	228.3250, -46.9920, -18.4160

Conversions

Conversions Part 2

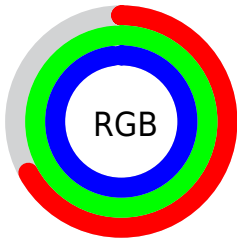
Format	Color
R _Y B	172, 214, 253
Decimal	11337209
CIE Lab	94.25, -25.38, -5.94
CIE LCh	94, 26.065, 193.172
Yxy	85.8608, 0.2687, 0.3333
Android (android.graphics.Color)	4289527289 (0xFFACDFD9)
YUV	228.3250, 10.1928, -49.3970
Hunter-Lab	92.6611, -28.8146, -0.7407

Details

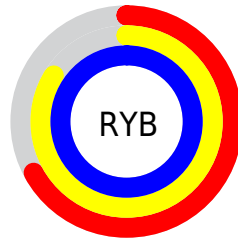
The Yxy color **85.8608, 0.2687, 0.3333** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.4907, 0.3832, 0.3249**, and the grayscale version is **77.7706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **47.0431, 0.2590, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **83.1921, 0.2576, 0.3348**, and if you desaturate by 10%, it is **89.0818, 0.2813, 0.3318**.

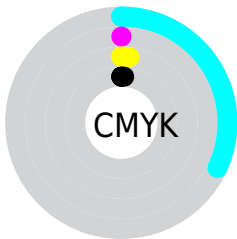
Distribution



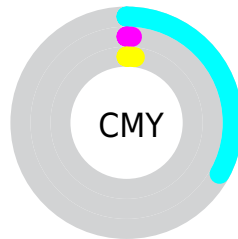
- Red (67%)
- Green (99%)
- Blue (98%)



- Red (67%)
- Yellow (84%)
- Blue (99%)



- Cyan (32%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)




- Cyan (33%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8608, 0.2687, 0.3333 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 85.8608, 0.2687, 0.3333 by changing the saturation by 10% instead.


 85.8608, 0.2687,
0.3333

 85.8608, 0.2687,
0.3333


514.4721, 0.2882,
0.3317

 64.5529, 0.2644,
0.3336


 141.5752, 0.2753,
0.3328

 47.0986, 0.2592,
0.3339


176.7505, 0.2779,
0.3326

 33.1136, 0.2528,
0.3343


217.3170, 0.2802,
0.3324

 22.2135, 0.2446,
0.3347

263.6592, 0.2822,
0.3322

 14.0139, 0.2339,
0.3350

316.1614, 0.2840,
0.3321

 8.1303, 0.2193,
0.3353


375.2080, 0.2856,


 4.1784, 0.1982,


0.3319


441.1834, 0.2870,
0.3318


0.3351


 1.7739, 0.1654,
0.3332


 0.4708, 0.0000,
0.3366


 85.8608, 0.2687,
0.3333


 85.8608, 0.2687,
0.3333


 83.1921, 0.2576,
0.3348


 89.0818, 0.2813,
0.3318


 81.0344, 0.2481,
0.3365

 92.8733, 0.2950,
0.3305

 79.3569, 0.2406,
0.3381

 97.2654, 0.3096,
0.3292

 78.1213, 0.2350,
0.3398

 98.6830, 0.3134,
0.3281

■ 77.2836, 0.2313,
0.3415

98.7455, 0.3128,
0.3271

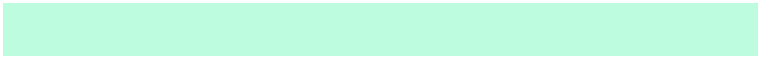
■ 76.7905, 0.2295,
0.3431

■ 76.5809, 0.2290,
0.3444

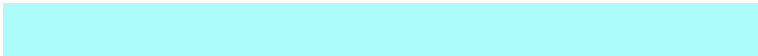
Harmonies

Analogous

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



85.8608, 0.2916, 0.3607



85.8608, 0.2687, 0.3333



85.8608, 0.2575, 0.3062

Triad

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



85.8608, 0.2687, 0.3333



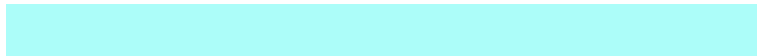
85.8608, 0.3024, 0.2848



85.8608, 0.3676, 0.3690

Complementary

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



85.8608, 0.2687, 0.3333



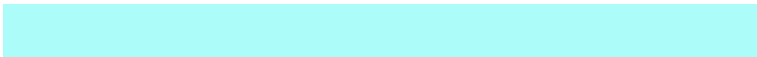
53.4907, 0.3832, 0.3249

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.



85.8608, 0.3713, 0.3473



85.8608, 0.2687, 0.3333



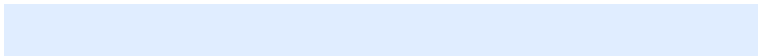
85.8608, 0.3326, 0.3001

Square

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



85.8608, 0.2687, 0.3333



85.8608, 0.2762, 0.2799



85.8608, 0.3583, 0.3225



85.8608, 0.3489, 0.3812

Rectangle

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



85.8608, 0.2687, 0.3333



85.8608, 0.2577, 0.2923



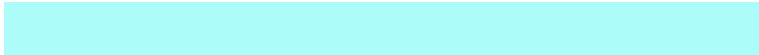
85.8608, 0.3583, 0.3225



85.8608, 0.3707, 0.3625

Sweetspot

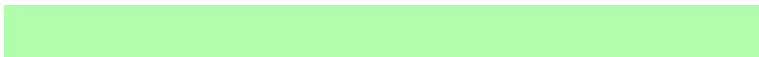
The Sweet Spot groups the original color and five complimentary colors.



85.8642, 0.2687, 0.3333



95.3987, 0.2980, 0.3302



82.4668, 0.3106, 0.4237



20.2916, 0.2959, 0.3304



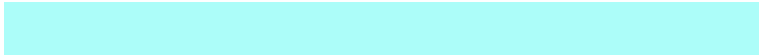
0.0000, 0.0000, 0.0000



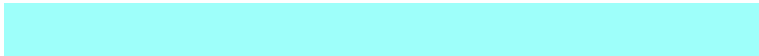
21.4041, 0.3127, 0.3290

Same Dimension

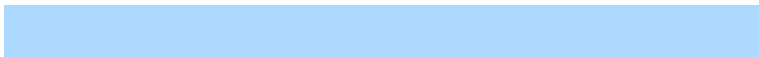
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8642, 0.2687, 0.3333



85.7119, 0.2619, 0.3342



65.2338, 0.2617, 0.2873



20.4649, 0.2987, 0.3302



40.7362, 0.2289, 0.3441



3.9710, 0.2284, 0.3423

Inverse Universe

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



53.4907, 0.3832, 0.3249



48.3898, 0.4025, 0.3242



69.1747, 0.3748, 0.3672



18.0017, 0.3287, 0.3279



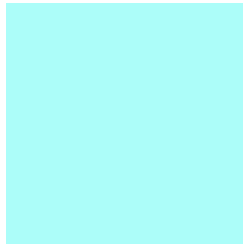
11.1297, 0.6351, 0.3272



1.0886, 0.6233, 0.3207

Previews

White Background



This preview shows how the Yxy color 85.8608, 0.2687, 0.3333 looks on a white background.

Color Contrast Check

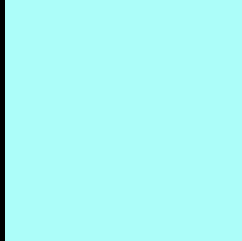
Large Text (above 18pt) WCAG AA × Fail

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 85.8608, 0.2687, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

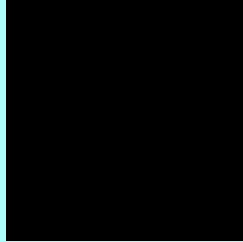
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

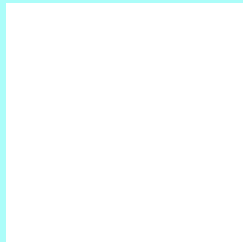
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8608, 0.2687, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 85.8608, 0.2687, 0.3333.

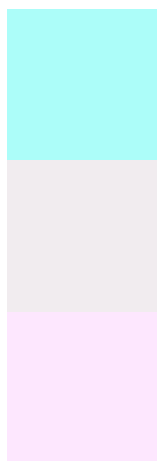


This preview shows how white text looks on a background with the Yxy color 85.8608, 0.2687, 0.3333.

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

85.8608, 0.2687, 0.3333

Protanopia

84.9237, 0.3142, 0.3260

Deuteranopia

85.1902, 0.3131, 0.3067



Tritanopia

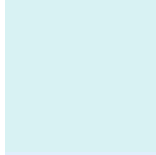
85.4767, 0.2849, 0.3175

Trichromacy



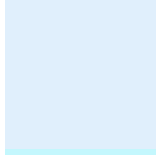
Original Color

85.8608, 0.2687, 0.3333



Protanomaly

84.5743, 0.2956, 0.3279



Deuteranomaly

84.6086, 0.2954, 0.3157



Tritanomaly

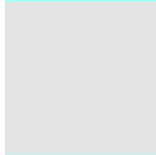
85.3491, 0.2787, 0.3225

Monochromacy



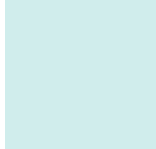
Original Color

85.8608, 0.2687, 0.3333



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.0344, 0.2946, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8608, 0.2687, 0.3333 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, 253, 249)` looks like.

```
.text, #text, p{  
    color:rgb(172, 253, 249)  
}
```

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, 253, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 253, 249) }
```

Border

The CSS property to change the border of an element to Yxy 85.8608, 0.2687, 0.3333 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, 253, 249) }
```

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

```
.border{ border-color:rgb(172, 253, 249) }
```

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

Here you see how a box with a 4 pixel rgb(172, 253, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 253, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 253, 249);  
box-shadow:4px 4px 4px 4px rgb(172, 253,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8608, 0.2687, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 253, 249) }
```

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

```
.background{ background-color: rgb(172,  
253, 249) }
```

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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