

Converting Colors

Yxy(87.2613, 0.2679, 0.3329)

Have a look what the booklet for
Yxy(87.2613, 0.2679, 0.3329)
contains.

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Color

Yxy(87.2557, 0.2680, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFFB
RGB	172, 255, 251
RGB Percent	67%, 100%, 98%
CMY	0.3257, 0.0000, 0.0156
CMYK	0.33, 0.00, 0.02, 0.00
HSL	177°, 100%, 84%
HSV	177°, 33%, 100%
XYZ	70.1817, 87.2557, 104.4345
YIQ	229.7270, -48.1840, -18.8400

Conversions

Conversions Part 2

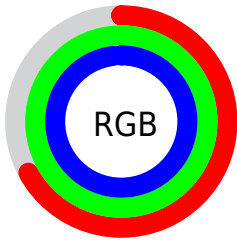
Format	Color
R _Y B	172, 215, 255
Decimal	11337723
CIE Lab	94.85, -25.86, -6.12
CIE LCh	95, 26.579, 193.320
Yxy	87.2557, 0.2680, 0.3332
Android (android.graphics.Color)	4289527803 (0xFFACFFFB)
YUV	229.7270, 10.4876, -50.6266
Hunter-Lab	93.4108, -29.3577, -0.8995

Details

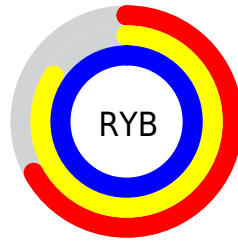
The Yxy color **87.2557, 0.2680, 0.3332** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.8794, 0.3850, 0.3250**, and the grayscale version is **78.8576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **48.0413, 0.2583, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **84.5632, 0.2569, 0.3347**, and if you desaturate by 10%, it is **90.4959, 0.2805, 0.3318**.

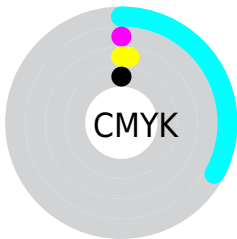
Distribution



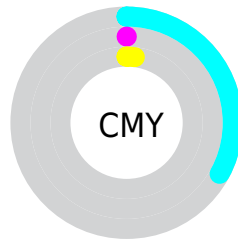
- Red (67%)
- Green (100%)
- Blue (98%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2557, 0.2680, 0.3332 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 87.2557, 0.2680, 0.3332 by changing the saturation by 10% instead.


 87.2557, 0.2680,
0.3332

 87.2557, 0.2680,
0.3332


519.0627, 0.2878,
0.3316

 65.7068, 0.2637,
0.3335


 143.5205, 0.2747,
0.3327

 48.0345, 0.2585,
0.3338


179.0052, 0.2773,
0.3325

 33.8542, 0.2520,
0.3341


219.9040, 0.2797,
0.3323

 22.7816, 0.2438,
0.3345

266.6012, 0.2817,
0.3322

 14.4323, 0.2330,
0.3348

319.4813, 0.2835,
0.3320

 8.4220, 0.2184,
0.3350

378.9287, 0.2851,

 4.3661, 0.1975,

0.3319

445.3277, 0.2865,
0.3317

0.3346

1.8804, 0.1652,
0.3326

0.5366, 0.0000,
0.3462

87.2557, 0.2680,
0.3332

87.2557, 0.2680,
0.3332

84.5632, 0.2569,
0.3347

90.4959, 0.2805,
0.3318

82.3960, 0.2476,
0.3362


94.3225, 0.2943,
0.3305

80.7160, 0.2401,
0.3378


98.7596, 0.3089,
0.3293

79.4839, 0.2346,
0.3394

100.0000, 0.3127,
0.3290

 78.6544, 0.2310,
0.3410

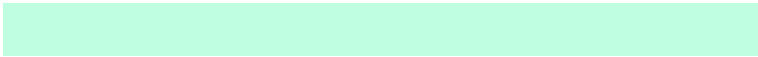
 78.1727, 0.2293,
0.3426

 77.9799, 0.2288,
0.3437

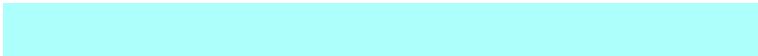
Harmonies

Analogous

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



87.2557, 0.2911, 0.3610



87.2557, 0.2680, 0.3332



87.2557, 0.2567, 0.3057

Triad

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



87.2557, 0.2680, 0.3332



87.2557, 0.3024, 0.2843



87.2557, 0.3684, 0.3696

Complementary

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



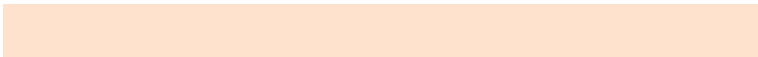
87.2557, 0.2680, 0.3332



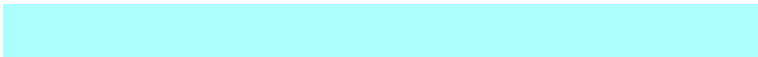
53.8794, 0.3850, 0.3250

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.



87.2557, 0.3722, 0.3476



87.2557, 0.2680, 0.3332



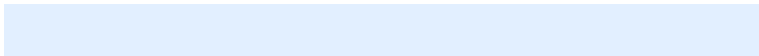
87.2557, 0.3330, 0.2998

Square

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



87.2557, 0.2680, 0.3332



87.2557, 0.2758, 0.2793



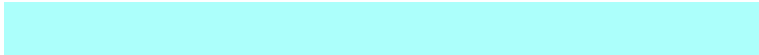
87.2557, 0.3590, 0.3225



87.2557, 0.3492, 0.3819

Rectangle

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



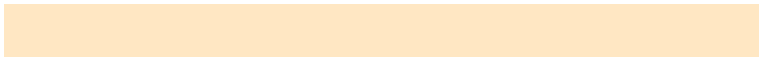
87.2557, 0.2680, 0.3332



87.2557, 0.2570, 0.2917



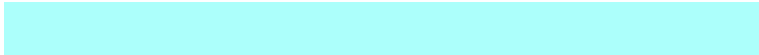
87.2557, 0.3590, 0.3225



87.2557, 0.3715, 0.3630

Sweetspot

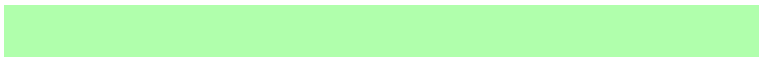
The Sweet Spot groups the original color and five complimentary colors.



87.2526, 0.2680, 0.3332



95.4021, 0.2979, 0.3302



83.7394, 0.3106, 0.4255



20.2924, 0.2959, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

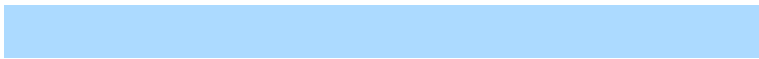
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2526, 0.2680, 0.3332



85.4608, 0.2607, 0.3341



65.9365, 0.2608, 0.2865



20.4656, 0.2986, 0.3301



40.7527, 0.2288, 0.3435



3.9724, 0.2283, 0.3417

Inverse Universe

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



53.8794, 0.3850, 0.3250



47.4348, 0.4062, 0.3243



69.9974, 0.3760, 0.3678



18.0011, 0.3287, 0.3279



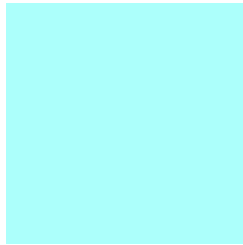
11.1288, 0.6353, 0.3273



1.0883, 0.6240, 0.3211

Previews

White Background



This preview shows how the Yxy color 87.2557, 0.2680, 0.3332 looks on a white background.

Color Contrast Check

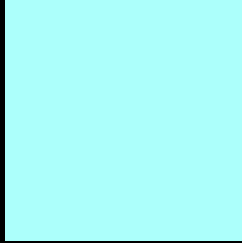
Large Text (above 18pt) WCAG AA × Fail

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 87.2557, 0.2680, 0.3332 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

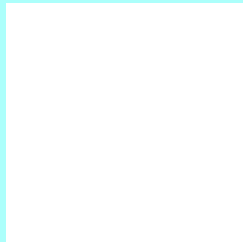
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2557, 0.2680, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 87.2557, 0.2680, 0.3332.

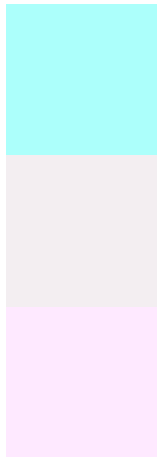


This preview shows how white text looks on a background with the Yxy color 87.2557, 0.2680, 0.3332.

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

87.2557, 0.2680, 0.3332

Protanopia

86.5546, 0.3142, 0.3260

Deuteranopia

86.5687, 0.3130, 0.3077



Tritanopia

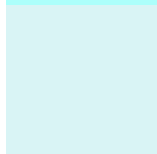
86.6709, 0.2873, 0.3186

Trichromacy



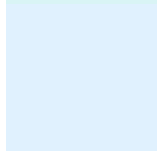
Original Color

87.2557, 0.2680, 0.3332



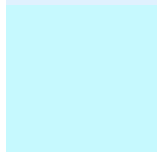
Protanomaly

86.0457, 0.2951, 0.3279



Deuteranomaly

85.9136, 0.2943, 0.3157



Tritanomaly

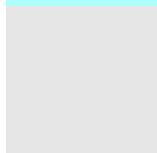
86.9129, 0.2795, 0.3236

Monochromacy



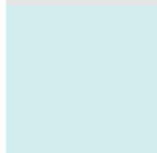
Original Color

87.2557, 0.2680, 0.3332



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4614, 0.2941, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2557, 0.2680, 0.3332 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, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 251)  
}
```

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, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.2557, 0.2680, 0.3332 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, 255, 251) }
```

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

```
.border{ border-color:rgb(172, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2557, 0.2680, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 251) }
```

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

```
.background{ background-color: rgb(172,  
255, 251) }
```

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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