

Converting Colors

$Yxy(80.8887, 0.2603, 0.3289)$

Have a look what the booklet for
Yxy(80.8887, 0.2603, 0.3289)
contains.

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Color

Yxy(80.8807, 0.2603, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	9BF8F8
RGB	155, 248, 248
RGB Percent	61%, 97%, 97%
CMY	0.3922, 0.0274, 0.0273
CMYK	0.38, 0.00, 0.00, 0.03
HSL	180°, 87%, 79%
HSV	180°, 38%, 97%
XYZ	64.0306, 80.8807, 101.0763
YIQ	220.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

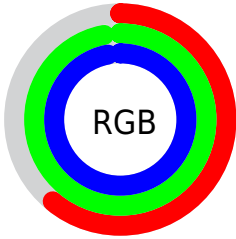
Format	Color
R _Y B	155, 202, 248
Decimal	10221816
CIE _{Lab}	92.08, -27.54, -8.76
CIE _{LCh}	92, 28.900, 197.642
Y _{xy}	80.8807, 0.2603, 0.3288
Android (android.graphics.Color)	4288411896 (0xFF9BF8F8)
YUV	220.1930, 13.7089, -57.1743
Hunter-Lab	89.9337, -30.2964, -3.6823

Details

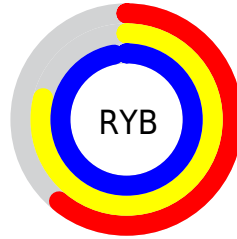
The Yxy color **80.8807, 0.2603, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.7807, 0.4055, 0.3293**, and the grayscale version is **71.6444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **43.6640, 0.2488, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **78.6707, 0.2497, 0.3288**, and if you desaturate by 10%, it is **83.6011, 0.2726, 0.3289**.

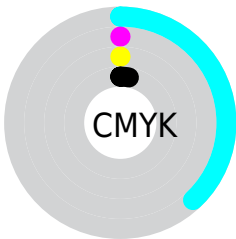
Distribution



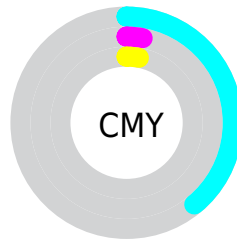
- Red (61%)
- Green (97%)
- Blue (97%)



- Red (61%)
- Yellow (79%)
- Blue (97%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (39%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8807, 0.2603, 0.3288 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 80.8807, 0.2603, 0.3288 by changing the saturation by 10% instead.


 80.8807, 0.2603,
0.3288

 80.8807, 0.2603,
0.3288


497.8959, 0.2837,
0.3294

 60.4433, 0.2552,
0.3286


 134.6032, 0.2683,
0.3291

 43.7761, 0.2489,
0.3282


 168.6572, 0.2714,
0.3292

 30.4945, 0.2411,
0.3277


208.0189, 0.2741,
0.3292

 20.2142, 0.2312,
0.3270

253.0726, 0.2765,
0.3293

 12.5509, 0.2182,
0.3257

304.2027, 0.2786,
0.3293

 7.1200, 0.2004,
0.3235

361.7938, 0.2805,

 3.5373, 0.1748,

0.3293

426.2300, 0.2822,
0.3293

0.3192

1.4182, 0.1313,
0.3110

0.2301, 0.0000,
0.2105

80.8807, 0.2603,
0.3288

80.8807, 0.2603,
0.3288

78.6707, 0.2497,
0.3288

83.6011, 0.2726,
0.3289

76.9303, 0.2409,
0.3287


86.8508, 0.2863,
0.3289

75.6284, 0.2341,
0.3287


90.6592, 0.3011,
0.3290


74.7257, 0.2292,
0.3287


95.0509, 0.3166,
0.3290

 74.1761, 0.2262,
0.3286

 95.2082, 0.3172,
0.3290

 73.9188, 0.2248,
0.3286

 95.2145, 0.3172,
0.3290

 73.8775, 0.2246,
0.3286

 95.2208, 0.3172,
0.3290

 95.2271, 0.3172,
0.3291

 95.2334, 0.3172,
0.3291

Harmonies

Analogous

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



80.8807, 0.2843, 0.3608



80.8807, 0.2603, 0.3288



80.8807, 0.2501, 0.2990

Triad

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



80.8807, 0.2603, 0.3288



80.8807, 0.3059, 0.2813



80.8807, 0.3726, 0.3768

Complementary

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



80.8807, 0.2603, 0.3288



45.7807, 0.4055, 0.3293

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.



80.8807, 0.3797, 0.3533



80.8807, 0.2603, 0.3288



80.8807, 0.3400, 0.2999

Square

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



80.8807, 0.2603, 0.3288



80.8807, 0.2752, 0.2739



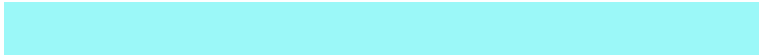
80.8807, 0.3676, 0.3256



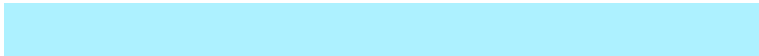
80.8807, 0.3491, 0.3888

Rectangle

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



80.8807, 0.2603, 0.3288



80.8807, 0.2519, 0.2847



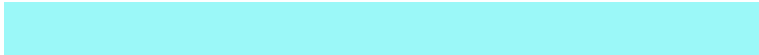
80.8807, 0.3676, 0.3256



80.8807, 0.3770, 0.3699

Sweetspot

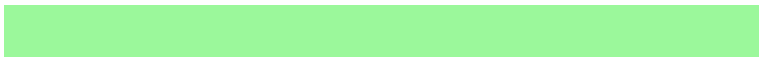
The Sweet Spot groups the original color and five complimentary colors.



80.8839, 0.2603, 0.3288



95.0554, 0.2958, 0.3289



76.4936, 0.3073, 0.4435



20.2265, 0.2937, 0.3289



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.



80.8839, 0.2603, 0.3288



84.3070, 0.2521, 0.3288



55.7601, 0.2522, 0.2732



19.6073, 0.2980, 0.3289



39.8940, 0.2246, 0.3286



3.6953, 0.2246, 0.3286

Inverse Universe

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



50.1794, 0.3171, 0.2361



47.3063, 0.3179, 0.2189



64.3433, 0.3863, 0.3786



17.5245, 0.3138, 0.3057



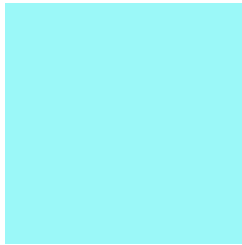
14.4382, 0.3210, 0.1542



1.3373, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 80.8807, 0.2603, 0.3288 looks on a white background.

Color Contrast Check

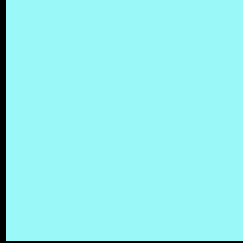
Large Text (above 18pt) WCAG AA × Fail

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 80.8807, 0.2603, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

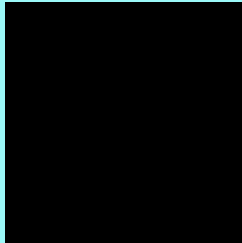
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8807, 0.2603, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 80.8807, 0.2603, 0.3288.

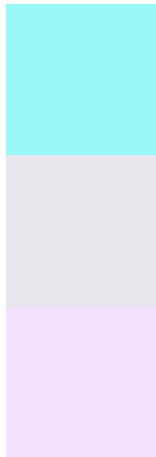


This preview shows how white text looks on a background with the Yxy color 80.8807, 0.2603, 0.3288.

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

80.8807, 0.2603, 0.3288

Protanopia

80.0317, 0.3103, 0.3218

Deuteranopia

80.1754, 0.3079, 0.3012



Tritanopia

80.5697, 0.2716, 0.3137

Trichromacy



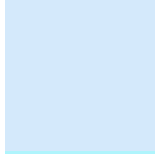
Original Color

80.8807, 0.2603, 0.3288



Protanomaly

79.8984, 0.2899, 0.3246



Deuteranomaly

79.2399, 0.2883, 0.3100



Tritanomaly

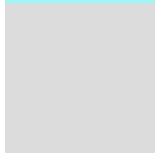
80.8436, 0.2676, 0.3201

Monochromacy



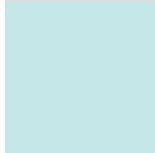
Original Color

80.8807, 0.2603, 0.3288



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.0426, 0.2903, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8807, 0.2603, 0.3288 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(155, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(155, 248, 248)  
}
```

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(155, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 248, 248) }
```

Border

The CSS property to change the border of an element to Yxy 80.8807, 0.2603, 0.3288 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(155, 248, 248) }
```

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

```
.border{ border-color:rgb(155, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(155, 248,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8807, 0.2603, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 248, 248) }
```

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

```
.background{ background-color: rgb(155,  
248, 248) }
```

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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