

Converting Colors

$Yxy(80.3587, 0.2602, 0.3287)$

Have a look what the booklet for
Yxy(80.3587, 0.2602, 0.3287)
contains.

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Color

Yxy(80.1070, 0.2602, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	9AF7F7
RGB	154, 247, 247
RGB Percent	60%, 97%, 97%
CMY	0.3956, 0.0314, 0.0313
CMYK	0.38, 0.00, 0.00, 0.03
HSL	180°, 85%, 79%
HSV	180°, 38%, 97%
XYZ	63.3937, 80.1070, 100.1338
YIQ	219.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

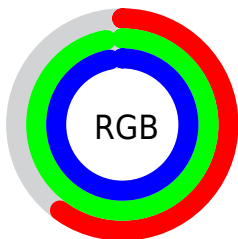
Format	Color
RYB	154, 201, 247
Decimal	10156023
CIELab	91.73, -27.51, -8.75
CIELCh	92, 28.866, 197.638
Yxy	80.1070, 0.2602, 0.3288
Android (android.graphics.Color)	4288346103 (0xFF9AF7F7)
YUV	219.1930, 13.7089, -57.1743
Hunter-Lab	89.5025, -30.1997, -3.6808

Details

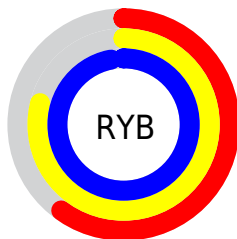
The Yxy color **80.1070, 0.2602, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.2761, 0.4058, 0.3293**, and the grayscale version is **70.9306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **43.1299, 0.2485, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **77.9222, 0.2496, 0.3288**, and if you desaturate by 10%, it is **82.7969, 0.2725, 0.3289**.

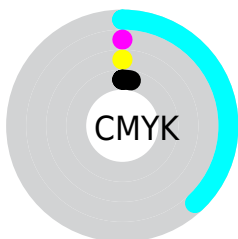
Distribution



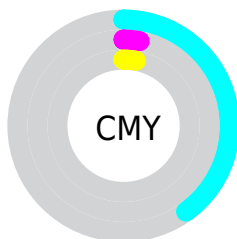
- Red (60%)
- Green (97%)
- Blue (97%)



- Red (60%)
- Yellow (79%)
- Blue (97%)



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





- Cyan (40%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1070, 0.2602, 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 80.1070, 0.2602, 0.3288 by changing the saturation by 10% instead.


 80.1070, 0.2602,
0.3288

 80.1070, 0.2602,
0.3288


495.2934, 0.2837,
0.3294

 59.8064, 0.2550,
0.3286


 133.5162, 0.2682,
0.3291

 43.2626, 0.2487,
0.3282


 167.3935, 0.2714,
0.3292

 30.0912, 0.2409,
0.3277


206.5652, 0.2741,
0.3292

 19.9078, 0.2309,
0.3269

251.4157, 0.2765,
0.3293

 12.3281, 0.2178,
0.3257

302.3294, 0.2786,
0.3293

 6.9675, 0.1998,
0.3234

359.6906, 0.2805,

 3.4418, 0.1739,

0.3293

0.3190

423.8838, 0.2822,
0.3293

■ 1.3665, 0.1282,
0.3111

■ 0.1918, 0.0000,
0.1895

■ 80.1070, 0.2602,
0.3288

■ 80.1070, 0.2602,
0.3288

■ 77.9222, 0.2496,
0.3288

■ 82.7969, 0.2725,
0.3289

■ 76.2023, 0.2409,
0.3287

■ 86.0107, 0.2861,
0.3289

■ 74.9163, 0.2341,
0.3287

■ 89.7775, 0.3009,
0.3290

■ 74.0252, 0.2292,
0.3287

■ 94.1217, 0.3165,
0.3290

■ 73.4834, 0.2262,
0.3286

■ 94.5199, 0.3178,
0.3290

■ 73.2301, 0.2248,
0.3286

■ 94.5261, 0.3178,
0.3290

■ 73.1906, 0.2246,
0.3286

■ 94.5323, 0.3178,
0.3290

■ 94.5384, 0.3178,
0.3291

■ 94.5446, 0.3178,
0.3291

Harmonies

Analogous

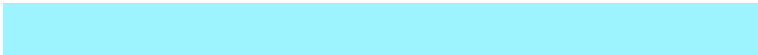
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1070, 0.2842, 0.3608



80.1070, 0.2602, 0.3288



80.1070, 0.2499, 0.2990

Triad

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



80.1070, 0.2602, 0.3288



80.1070, 0.3059, 0.2813



80.1070, 0.3727, 0.3769

Complementary

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



80.1070, 0.2602, 0.3288



45.2761, 0.4058, 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.



80.1070, 0.3798, 0.3533



80.1070, 0.2602, 0.3288



80.1070, 0.3401, 0.2998

Square

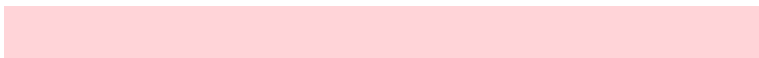
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1070, 0.2602, 0.3288



80.1070, 0.2752, 0.2737



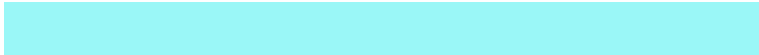
80.1070, 0.3677, 0.3255



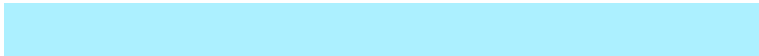
80.1070, 0.3492, 0.3890

Rectangle

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



80.1070, 0.2602, 0.3288



80.1070, 0.2518, 0.2846



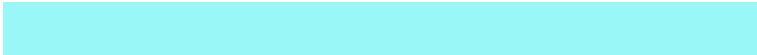
80.1070, 0.3677, 0.3255



80.1070, 0.3772, 0.3699

Sweetspot

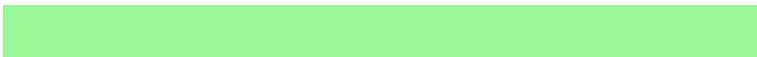
The Sweet Spot groups the original color and five complimentary colors.



80.1102, 0.2602, 0.3288



95.0555, 0.2958, 0.3289



75.7534, 0.3073, 0.4438



20.2265, 0.2937, 0.3289



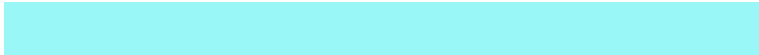
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.1102, 0.2602, 0.3288



84.3073, 0.2521, 0.3288



55.1699, 0.2520, 0.2730



18.7566, 0.2981, 0.3289



38.7005, 0.2246, 0.3286



3.4018, 0.2246, 0.3286

Inverse Universe

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



49.6412, 0.3171, 0.2359



47.3063, 0.3179, 0.2189



63.6872, 0.3865, 0.3787



16.7682, 0.3138, 0.3057



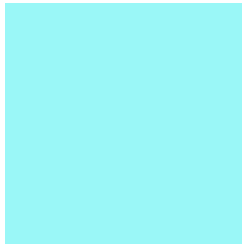
14.0062, 0.3210, 0.1542



1.2310, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 80.1070, 0.2602, 0.3288 looks on a white background.

Color Contrast Check

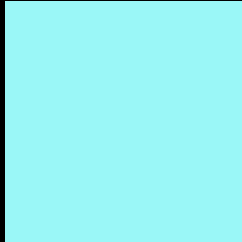
Large Text (above 18pt) WCAG AA × Fail

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 80.1070, 0.2602, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

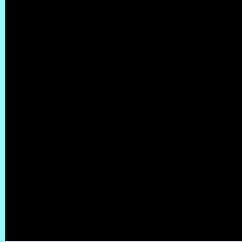
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1070, 0.2602, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 80.1070, 0.2602, 0.3288.

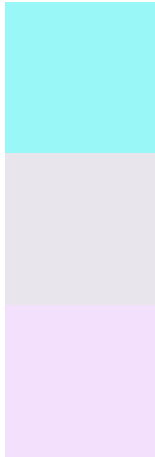


This preview shows how white text looks on a background with the Yxy color 80.1070, 0.2602, 0.3288.

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

80.1070, 0.2602, 0.3288

Protanopia

79.2506, 0.3103, 0.3217

Deuteranopia

79.3943, 0.3079, 0.3011



Tritanopia

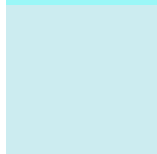
79.4853, 0.2693, 0.3125

Trichromacy



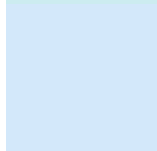
Original Color

80.1070, 0.2602, 0.3288



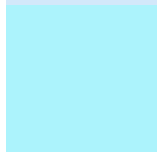
Protanomaly

79.1195, 0.2898, 0.3246



Deuteranomaly

78.4642, 0.2882, 0.3099



Tritanomaly

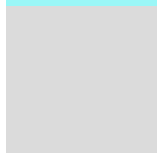
79.9001, 0.2660, 0.3189

Monochromacy



Original Color

80.1070, 0.2602, 0.3288



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.2979, 0.2902, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1070, 0.2602, 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(154, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(154, 247, 247)  
}
```

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(154, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 247, 247) }
```

Border

The CSS property to change the border of an element to Yxy 80.1070, 0.2602, 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(154, 247, 247) }
```

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

```
.border{ border-color:rgb(154, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(154, 247,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1070, 0.2602, 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(154, 247, 247) }
```

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

```
.background{ background-color: rgb(154,  
247, 247) }
```

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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