

Converting Colors

$Y_{xy}(89.4622, 0.2162, 0.2206)$

Have a look what the booklet for
Yxy(89.4622, 0.2162, 0.2206)
contains.

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Color

Yxy(80.1001, 0.2568, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	9BF6FF
RGB	155, 246, 255
RGB Percent	61%, 96%, 100%
CMY	0.3920, 0.0353, 0.0002
CMYK	0.39, 0.04, 0.00, 0.00
HSL	185°, 100%, 80%
HSV	185°, 39%, 100%
XYZ	64.5223, 80.1001, 106.6326
YIQ	219.8170, -57.1250, -16.4930

Conversions

Conversions Part 2

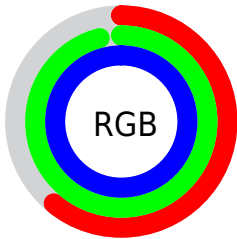
Format	Color
R_{YB}	155, 203, 255
Decimal	10221311
CIE _{Lab}	91.73, -24.92, -12.87
CIE _{LCh}	92, 28.046, 207.319
Yxy	80.1001, 0.2568, 0.3188
Android (android.graphics.Color)	4288411391 (0xFF9BF6FF)
YUV	219.8170, 17.3452, -56.8445
Hunter-Lab	89.4987, -27.9366, -7.9916

Details

The Yxy color **80.1001, 0.2568, 0.3188** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.1678, 0.4079, 0.3387**, and the grayscale version is **71.3481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **43.0691, 0.2449, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **76.4590, 0.2455, 0.3158**, and if you desaturate by 10%, it is **84.2971, 0.2696, 0.3217**.

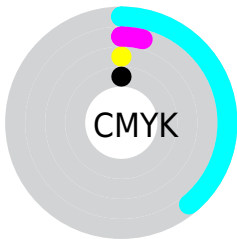
Distribution



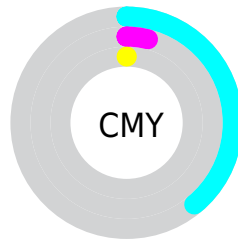
- Red (61%)
- Green (96%)
- Blue (100%)



- Red (61%)
- Yellow (80%)
- Blue (100%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1001, 0.2568, 0.3188 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 80.1001, 0.2568, 0.3188 by changing the saturation by 10% instead.

 80.1001, 0.2568,
0.3188

 80.1001, 0.2568,
0.3188

495.2701, 0.2817,
0.3240

 59.8007, 0.2513,
0.3175


 133.5065, 0.2653,
0.3207

 43.2580, 0.2447,
0.3159


 167.3822, 0.2686,
0.3214

 30.0876, 0.2365,
0.3137


206.5523, 0.2715,
0.3220

 19.9051, 0.2261,
0.3108

251.4010, 0.2741,
0.3225

 12.3261, 0.2124,
0.3067

302.3127, 0.2763,
0.3230

 6.9662, 0.1938,
0.3004

359.6719, 0.2783,

 3.4409, 0.1673,

0.3234

0.2900

423.8629, 0.2801,
0.3237

■ 1.3660, 0.1244,
0.2714

■ 0.1915, 0.0000,
0.1465

■ 80.1001, 0.2568,
0.3188

■ 80.1001, 0.2568,
0.3188

■ 76.4590, 0.2455,
0.3158

■ 84.2971, 0.2696,
0.3217

■ 73.3306, 0.2360,
0.3127

■ 89.0716, 0.2836,
0.3244

■ 70.6802, 0.2284,
0.3096

■ 94.4552, 0.2985,
0.3269

■ 68.4648, 0.2227,
0.3065

99.9974, 0.3127,
0.3290

■ 66.6333, 0.2190,
0.3034

■ 65.1089, 0.2168,
0.3003

■ 64.9916, 0.2167,
0.3001

Harmonies

Analogous

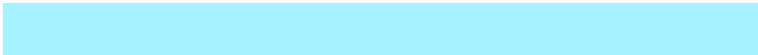
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1001, 0.2763, 0.3503



80.1001, 0.2568, 0.3188



80.1001, 0.2516, 0.2924

Triad

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



80.1001, 0.2568, 0.3188



80.1001, 0.3169, 0.2873



80.1001, 0.3651, 0.3809

Complementary

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



80.1001, 0.2568, 0.3188



50.1678, 0.4079, 0.3387

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.



80.1001, 0.3777, 0.3609



80.1001, 0.2568, 0.3188



80.1001, 0.3492, 0.3082

Square

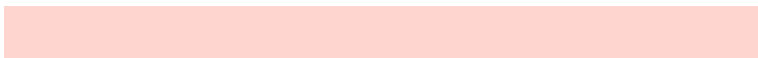
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1001, 0.2568, 0.3188



80.1001, 0.2850, 0.2762



80.1001, 0.3719, 0.3345



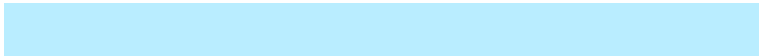
80.1001, 0.3386, 0.3875

Rectangle

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



80.1001, 0.2568, 0.3188



80.1001, 0.2567, 0.2811



80.1001, 0.3719, 0.3345



80.1001, 0.3712, 0.3754

Sweetspot

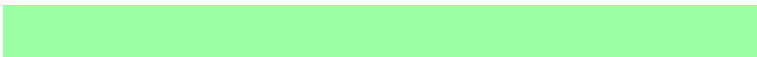
The Sweet Spot groups the original color and five complimentary colors.



80.1032, 0.2568, 0.3188



92.9139, 0.2942, 0.3262



81.1237, 0.3029, 0.4395



19.7341, 0.2923, 0.3259



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.



80.1032, 0.2568, 0.3188



77.2401, 0.2479, 0.3165



53.9723, 0.2477, 0.2598



20.1865, 0.2980, 0.3268



34.0867, 0.2168, 0.3006



3.3971, 0.2178, 0.3041

Inverse Universe

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



51.3607, 0.3246, 0.2396



45.1772, 0.3274, 0.2231



71.3720, 0.3871, 0.3891



18.2706, 0.3152, 0.3076



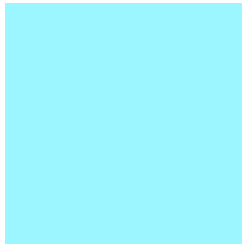
14.1690, 0.3449, 0.1674



1.3875, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 80.1001, 0.2568, 0.3188 looks on a white background.

Color Contrast Check

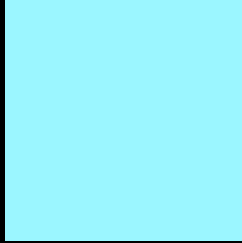
Large Text (above 18pt) WCAG AA × Fail

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 80.1001, 0.2568, 0.3188 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 80.1001, 0.2568, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 80.1001, 0.2568, 0.3188.

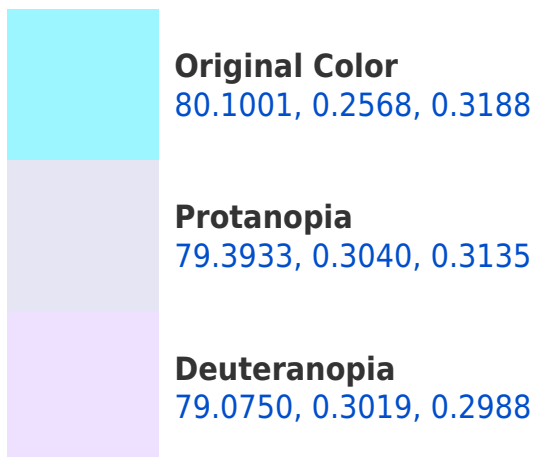


This preview shows how white text looks on a background with the Yxy color 80.1001, 0.2568, 0.3188.

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

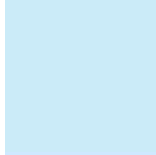
80.0757, 0.2695, 0.3136

Trichromacy



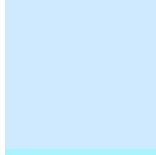
Original Color

80.1001, 0.2568, 0.3188



Protanomaly

78.8905, 0.2846, 0.3150



Deuteranomaly

78.7632, 0.2830, 0.3057



Tritanomaly

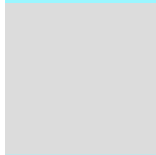
80.0918, 0.2645, 0.3157

Monochromacy



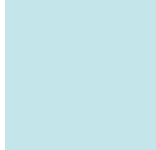
Original Color

80.1001, 0.2568, 0.3188



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.6576, 0.2885, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1001, 0.2568, 0.3188 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 246, 255)  
}
```

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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1001, 0.2568, 0.3188 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, 246, 255) }
```

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

```
.border{ border-color:rgb(155, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1001, 0.2568, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 246, 255) }
```

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

```
.background{ background-color: rgb(155,  
246, 255) }
```

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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