

Converting Colors

$Yxy(80.4009, 0.2490, 0.3225)$

Have a look what the booklet for
Yxy(80.4009, 0.2490, 0.3225)
contains.

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Color

Yxy(80.1223, 0.2488, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	87F9FF
RGB	135, 249, 255
RGB Percent	53%, 98%, 100%
CMY	0.4708, 0.0235, 0.0001
CMYK	0.47, 0.02, 0.00, 0.00
HSL	183°, 100%, 76%
HSV	183°, 47%, 100%
XYZ	61.9082, 80.1223, 106.7966
YIQ	215.5980, -69.8700, -22.3020

Conversions

Conversions Part 2

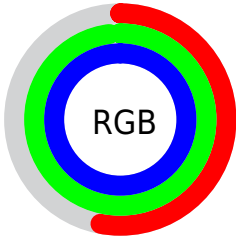
Format	Color
RYB	135, 193, 255
Decimal	8911359
CIELab	91.74, -30.98, -12.96
CIELCh	92, 33.578, 202.697
Yxy	80.1223, 0.2488, 0.3220
Android (android.graphics.Color)	4287101439 (0xFF87F9FF)
YUV	215.5980, 19.4252, -70.6844
Hunter-Lab	89.5111, -33.1891, -8.0818

Details

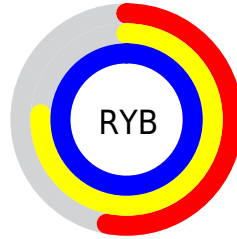
The Yxy color **80.1223, 0.2488, 0.3220** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.0304, 0.4400, 0.3356**, and the grayscale version is **68.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **43.1930, 0.2354, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **77.4770, 0.2394, 0.3203**, and if you desaturate by 10%, it is **83.2854, 0.2600, 0.3236**.

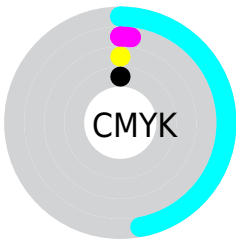
Distribution



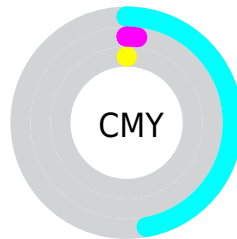
- Red (53%)
- Green (98%)
- Blue (100%)



- Red (53%)
- Yellow (76%)
- Blue (100%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1223, 0.2488, 0.3220 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 80.1223, 0.2488, 0.3220 by changing the saturation by 10% instead.


 80.1223, 0.2488,
0.3220

 80.1223, 0.2488,
0.3220


495.3449, 0.2772,
0.3259

 59.8190, 0.2426,
0.3210


 133.5377, 0.2584,
0.3235

 43.2728, 0.2351,
0.3196


 167.4185, 0.2622,
0.3240

 30.0992, 0.2258,
0.3178


206.5940, 0.2655,
0.3245

 19.9139, 0.2140,
0.3153

251.4485, 0.2684,
0.3248

 12.3325, 0.1987,
0.3116

302.3665, 0.2710,
0.3252

 6.9705, 0.1781,
0.3057


359.7323, 0.2733,


 3.4437, 0.1491,


0.3255


0.2957


423.9303, 0.2754,
0.3257

 1.3675, 0.0977,
0.2789


 0.1926, 0.0000,
0.1463


 80.1223, 0.2488,
0.3220


 80.1223, 0.2488,
0.3220


 77.4770, 0.2394,
0.3203


 83.2854, 0.2600,
0.3236


 75.3035, 0.2319,
0.3186

 86.9901, 0.2727,
0.3252

 73.5631, 0.2263,
0.3169

 91.2698, 0.2867,
0.3267

 72.2067, 0.2227,
0.3152

 96.1527, 0.3017,
0.3281

■ 71.1718, 0.2207,
0.3136

99.9991, 0.3127,
0.3290

■ 70.9024, 0.2203,
0.3131

Harmonies

Analogous

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



80.1223, 0.2739, 0.3603



80.1223, 0.2488, 0.3220



80.1223, 0.2401, 0.2890

Triad

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



80.1223, 0.2488, 0.3220



80.1223, 0.3113, 0.2769



80.1223, 0.3788, 0.3878

Complementary

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



80.1223, 0.2488, 0.3220



42.0304, 0.4400, 0.3356

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.



80.1223, 0.3910, 0.3617



80.1223, 0.2488, 0.3220



80.1223, 0.3508, 0.2998

Square

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



80.1223, 0.2488, 0.3220



80.1223, 0.2744, 0.2658



80.1223, 0.3807, 0.3300



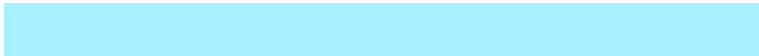
80.1223, 0.3488, 0.3995

Rectangle

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



80.1223, 0.2488, 0.3220



80.1223, 0.2442, 0.2743



80.1223, 0.3807, 0.3300



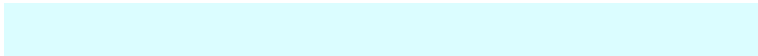
80.1223, 0.3852, 0.3802

Sweetspot

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



80.1254, 0.2488, 0.3220



92.7187, 0.2913, 0.3271



78.5198, 0.3039, 0.4735



19.6286, 0.2881, 0.3268



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.



80.1254, 0.2488, 0.3220



77.7487, 0.2403, 0.3205



49.6115, 0.2357, 0.2506



20.3174, 0.2980, 0.3278



37.1203, 0.2204, 0.3134



3.6600, 0.2209, 0.3153

Inverse Universe

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



45.4104, 0.3232, 0.2191



39.6634, 0.3254, 0.2017



63.8367, 0.4085, 0.3950



18.2838, 0.3146, 0.3067



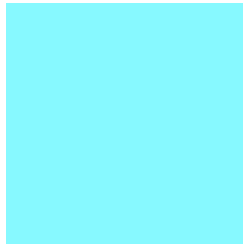
14.4753, 0.3338, 0.1613



1.4140, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 80.1223, 0.2488, 0.3220 looks on a white background.

Color Contrast Check

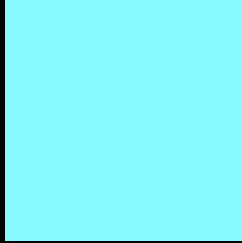
Large Text (above 18pt) WCAG AA × Fail

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 80.1223, 0.2488, 0.3220 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

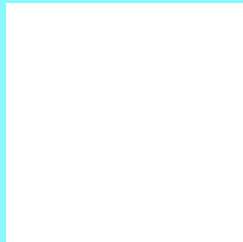
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1223, 0.2488, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 80.1223, 0.2488, 0.3220.

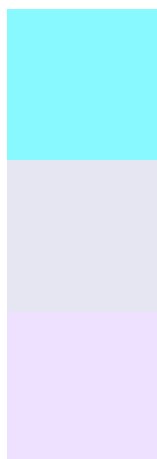


This preview shows how white text looks on a background with the Yxy color 80.1223, 0.2488, 0.3220.

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

80.1223, 0.2488, 0.3220

Protanopia

79.2724, 0.3052, 0.3156

Deuteranopia

79.0750, 0.3019, 0.2988



Tritanopia

79.4777, 0.2668, 0.3135

Trichromacy



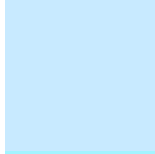
Original Color

80.1223, 0.2488, 0.3220



Protanomaly

78.3084, 0.2805, 0.3170



Deuteranomaly

78.3450, 0.2789, 0.3065



Tritanomaly

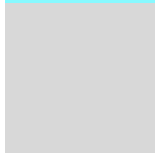
79.6027, 0.2597, 0.3166

Monochromacy



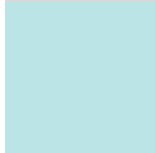
Original Color

80.1223, 0.2488, 0.3220



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.7648, 0.2846, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1223, 0.2488, 0.3220 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(135, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 249, 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(135, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1223, 0.2488, 0.3220 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(135, 249, 255) }
```

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

```
.border{ border-color:rgb(135, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1223, 0.2488, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 249, 255) }
```

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

```
.background{ background-color: rgb(135,  
249, 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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