

Converting Colors

$Y_{xy}(80.2179, 0.2518, 0.3210)$

Have a look what the booklet for
Yxy(80.2179, 0.2518, 0.3210)
contains.

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Color

Yxy(80.1944, 0.2519, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	8FF8FF
RGB	143, 248, 255
RGB Percent	56%, 97%, 100%
CMY	0.4390, 0.0275, 0.0000
CMYK	0.44, 0.03, 0.00, 0.00
HSL	184°, 100%, 78%
HSV	184°, 44%, 100%
XYZ	62.9510, 80.1944, 106.7593
YIQ	217.4030, -64.8270, -20.0830

Conversions

Conversions Part 2

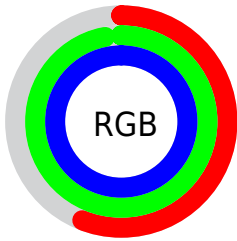
Format	Color
R_{YB}	143, 197, 255
Decimal	9435391
CIE _{Lab}	91.77, -28.70, -12.88
CIE _{LCh}	92, 31.454, 204.167
Y _{xy}	80.1944, 0.2519, 0.3209
Android (android.graphics.Color)	4287625471 (0xFF8FF8FF)
Y _{UV}	217.4030, 18.5353, -65.2514
Hunter-Lab	89.5513, -31.2365, -7.9971

Details

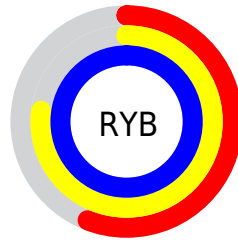
The Yxy color **80.1944, 0.2519, 0.3209** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.0737, 0.4266, 0.3366**, and the grayscale version is **69.5934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **43.1778, 0.2388, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **77.1979, 0.2417, 0.3188**, and if you desaturate by 10%, it is **83.7227, 0.2637, 0.3229**.

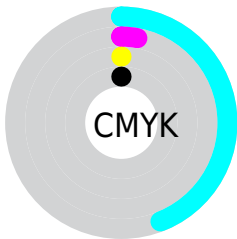
Distribution



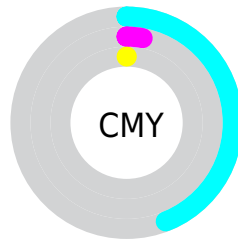
- Red (56%)
- Green (97%)
- Blue (100%)



- Red (56%)
- Yellow (77%)
- Blue (100%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1944, 0.2519, 0.3209 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 80.1944, 0.2519, 0.3209 by changing the saturation by 10% instead.


 80.1944, 0.2519,
0.3209

 80.1944, 0.2519,
0.3209


495.5877, 0.2790,
0.3252

 59.8783, 0.2460,
0.3198


 133.6390, 0.2611,
0.3225

 43.3206, 0.2388,
0.3183


 167.5364, 0.2647,
0.3231

 30.1367, 0.2299,
0.3164


206.7296, 0.2679,
0.3236

 19.9424, 0.2187,
0.3138

251.6031, 0.2706,
0.3240

 12.3532, 0.2040,
0.3099

302.5412, 0.2731,
0.3244

 6.9847, 0.1842,
0.3040


359.9285, 0.2752,


 3.4525, 0.1562,

0.3247


0.2939


424.1492, 0.2772,
0.3250

 1.3723, 0.1084,
0.2765

 0.1962, 0.0000,
0.1488

 80.1944, 0.2519,
0.3209


 80.1944, 0.2519,
0.3209

 77.1979, 0.2417,
0.3188


 83.7227, 0.2637,
0.3229

 74.6883, 0.2335,
0.3167

 87.8057, 0.2770,
0.3249

 72.6288, 0.2271,
0.3145

 92.4759, 0.2914,
0.3267

 70.9730, 0.2227,
0.3124

 97.7609, 0.3066,
0.3284

■ 69.6642, 0.2201,
0.3103

99.9994, 0.3127,
0.3290

■ 68.9866, 0.2192,
0.3090

Harmonies

Analogous

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



80.1944, 0.2749, 0.3566



80.1944, 0.2519, 0.3209



80.1944, 0.2445, 0.2904

Triad

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



80.1944, 0.2519, 0.3209



80.1944, 0.3133, 0.2808



80.1944, 0.3737, 0.3851

Complementary

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



80.1944, 0.2519, 0.3209



45.0737, 0.4266, 0.3366

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.



80.1944, 0.3860, 0.3614



80.1944, 0.2519, 0.3209



80.1944, 0.3500, 0.3029

Square

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



80.1944, 0.2519, 0.3209



80.1944, 0.2783, 0.2698



80.1944, 0.3773, 0.3316



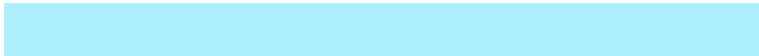
80.1944, 0.3450, 0.3950

Rectangle

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



80.1944, 0.2519, 0.3209



80.1944, 0.2489, 0.2769



80.1944, 0.3773, 0.3316



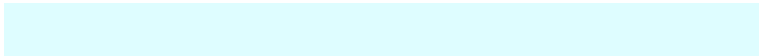
80.1944, 0.3799, 0.3784

Sweetspot

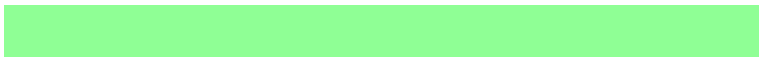
The Sweet Spot groups the original color and five complimentary colors.



80.1975, 0.2519, 0.3209



92.9315, 0.2927, 0.3269



79.5180, 0.3036, 0.4600



19.6568, 0.2895, 0.3265



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.



80.1975, 0.2519, 0.3209



77.4525, 0.2426, 0.3190



51.3949, 0.2405, 0.2545



20.2755, 0.2980, 0.3275



36.1335, 0.2193, 0.3093



3.5747, 0.2199, 0.3117

Inverse Universe

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



47.6989, 0.3237, 0.2270



41.3449, 0.3262, 0.2086



66.7255, 0.3997, 0.3926



18.2796, 0.3148, 0.3070



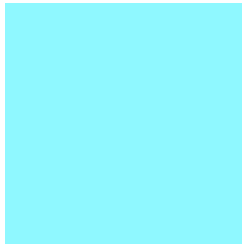
14.3757, 0.3373, 0.1632



1.4054, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 80.1944, 0.2519, 0.3209 looks on a white background.

Color Contrast Check

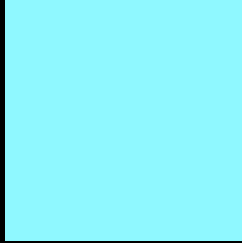
Large Text (above 18pt) WCAG AA × Fail

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 80.1944, 0.2519, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

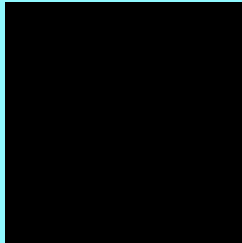
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1944, 0.2519, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 80.1944, 0.2519, 0.3209.

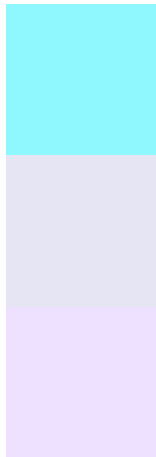


This preview shows how white text looks on a background with the Yxy color 80.1944, 0.2519, 0.3209.

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

80.1944, 0.2519, 0.3209

Protanopia

79.3327, 0.3046, 0.3145

Deuteranopia

79.0750, 0.3019, 0.2988



Tritanopia

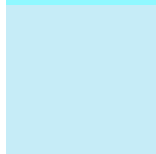
79.7143, 0.2679, 0.3136

Trichromacy



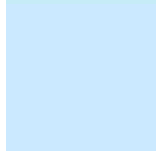
Original Color

80.1944, 0.2519, 0.3209



Protanomaly

78.7121, 0.2822, 0.3170



Deuteranomaly

78.1943, 0.2806, 0.3055



Tritanomaly

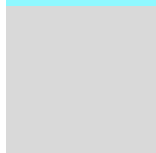
80.0284, 0.2617, 0.3167

Monochromacy



Original Color

80.1944, 0.2519, 0.3209



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.2035, 0.2859, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1944, 0.2519, 0.3209 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(143, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 248, 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(143, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1944, 0.2519, 0.3209 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(143, 248, 255) }
```

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

```
.border{ border-color:rgb(143, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(143, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1944, 0.2519, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 248, 255) }
```

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

```
.background{ background-color: rgb(143,  
248, 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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