

Converting Colors

$Yxy(80.7958, 0.2609, 0.3259)$

Have a look what the booklet for
Yxy(80.7958, 0.2609, 0.3259)
contains.

Yxy(80.6928, 0.2606, 0.3255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.6928, 0.2606, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	9EF7FA
RGB	158, 247, 250
RGB Percent	62%, 97%, 98%
CMY	0.3807, 0.0313, 0.0196
CMYK	0.37, 0.01, 0.00, 0.02
HSL	182°, 90%, 80%
HSV	182°, 37%, 98%
XYZ	64.6038, 80.6928, 102.6075
YIQ	220.7310, -54.0070, -17.9350

Conversions

Conversions Part 2

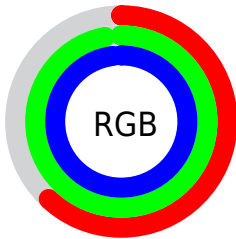
Format	Color
R _Y B	158, 203, 250
Decimal	10418170
CIE Lab	91.99, -25.88, -9.88
CIE LCh	92, 27.699, 200.905
Yxy	80.6928, 0.2606, 0.3255
Android (android.graphics.Color)	4288608250 (0xFF9EF7FA)
YUV	220.7310, 14.4296, -55.0151
Hunter-Lab	89.8292, -28.8265, -4.8437

Details

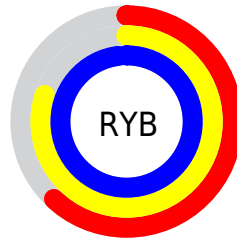
The Yxy color **80.6928, 0.2606, 0.3255** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.2432, 0.4019, 0.3325**, and the grayscale version is **72.0231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **43.4887, 0.2489, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **77.9217, 0.2495, 0.3244**, and if you desaturate by 10%, it is **83.9879, 0.2732, 0.3265**.

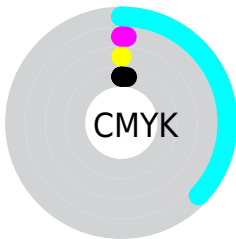
Distribution



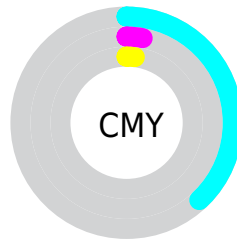
- Red (62%)
- Green (97%)
- Blue (98%)



- Red (62%)
- Yellow (80%)
- Blue (98%)



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)





- Cyan (38%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6928, 0.2606, 0.3255 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 80.6928, 0.2606, 0.3255 by changing the saturation by 10% instead.


 80.6928, 0.2606,
0.3255


 80.6928, 0.2606,
0.3255

497.2646, 0.2839,
0.3276

 60.2886, 0.2555,
0.3249


 134.3393, 0.2685,
0.3263

 43.6513, 0.2493,
0.3242

 168.3505, 0.2716,
0.3266

 30.3965, 0.2415,
0.3232


207.6661, 0.2743,
0.3268

 20.1397, 0.2317,
0.3217

252.6705, 0.2767,
0.3270

 12.4967, 0.2188,
0.3195

303.7482, 0.2788,
0.3272

 7.0829, 0.2012,
0.3161


361.2835, 0.2807,


 3.5140, 0.1758,

0.3273


425.6608, 0.2824,
0.3275


0.3099


 1.4056, 0.1338,
0.2983


 0.2208, 0.0000,
0.1917


 80.6928, 0.2606,
0.3255


 80.6928, 0.2606,
0.3255


 77.9217, 0.2495,
0.3244


 83.9879, 0.2732,
0.3265


 75.6337, 0.2403,
0.3233

 87.8262, 0.2872,
0.3275

 73.7969, 0.2329,
0.3222

 92.2378, 0.3021,
0.3284

 72.3717, 0.2276,
0.3211

 96.6895, 0.3159,
0.3293

71.3118, 0.2241,
0.3201

97.1935, 0.3158,
0.3300

70.5583, 0.2222,
0.3190

97.6997, 0.3158,
0.3308

70.3546, 0.2219,
0.3187

98.2080, 0.3157,
0.3316

98.7185, 0.3157,
0.3323

99.2312, 0.3156,
0.3331

Harmonies

Analogous

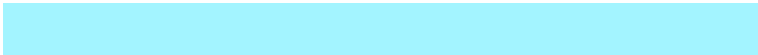
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6928, 0.2824, 0.3563



80.6928, 0.2606, 0.3255



80.6928, 0.2523, 0.2977

Triad

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



80.6928, 0.2606, 0.3255



80.6928, 0.3098, 0.2846



80.6928, 0.3684, 0.3768

Complementary

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



80.6928, 0.2606, 0.3255



48.2432, 0.4019, 0.3325

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.



80.6928, 0.3771, 0.3552



80.6928, 0.2606, 0.3255



80.6928, 0.3423, 0.3034

Square

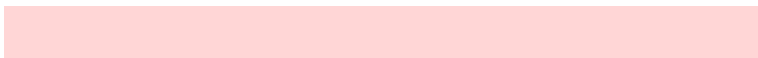
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6928, 0.2606, 0.3255



80.6928, 0.2796, 0.2762



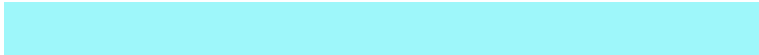
80.6928, 0.3675, 0.3287



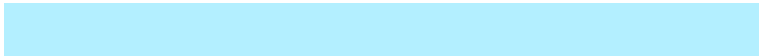
80.6928, 0.3446, 0.3867

Rectangle

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



80.6928, 0.2606, 0.3255



80.6928, 0.2552, 0.2848



80.6928, 0.3675, 0.3287



80.6928, 0.3732, 0.3706

Sweetspot

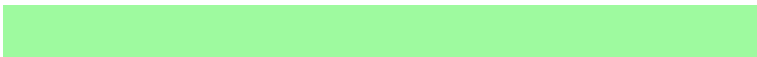
The Sweet Spot groups the original color and five complimentary colors.



80.6960, 0.2606, 0.3255



94.4856, 0.2958, 0.3280



78.1485, 0.3067, 0.4392



20.0895, 0.2937, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

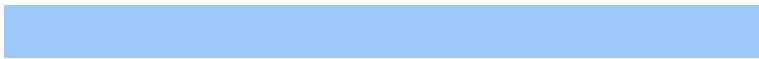
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6960, 0.2606, 0.3255



82.2693, 0.2525, 0.3247



56.6032, 0.2530, 0.2724



19.5066, 0.2980, 0.3282



37.3632, 0.2219, 0.3188



3.4898, 0.2223, 0.3201

Inverse Universe

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



51.4667, 0.3194, 0.2402



47.8335, 0.3208, 0.2240



66.6879, 0.3841, 0.3792



17.5143, 0.3143, 0.3064



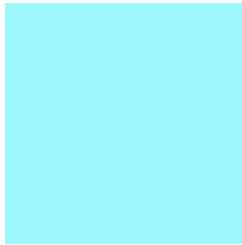
14.1827, 0.3292, 0.1587



1.3165, 0.3281, 0.1581

Previews

White Background



This preview shows how the Yxy color 80.6928, 0.2606, 0.3255 looks on a white background.

Color Contrast Check

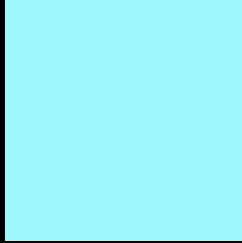
Large Text (above 18pt) WCAG AA × Fail

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 80.6928, 0.2606, 0.3255 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 80.6928, 0.2606, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 80.6928, 0.2606, 0.3255.

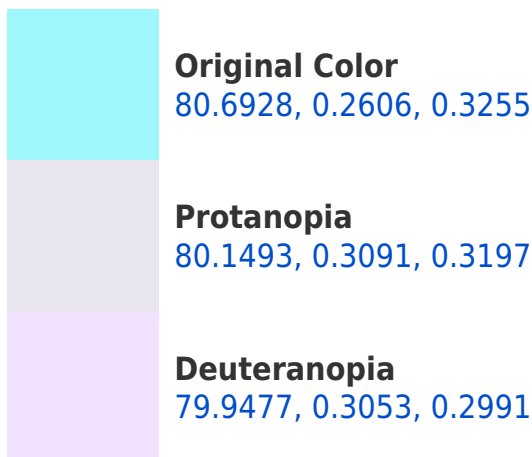


This preview shows how white text looks on a background with the Yxy color 80.6928, 0.2606, 0.3255.

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

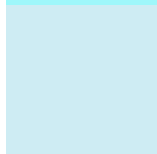
80.5697, 0.2716, 0.3137

Trichromacy



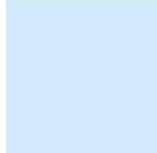
Original Color

80.6928, 0.2606, 0.3255



Protanomaly

79.5838, 0.2893, 0.3214



Deuteranomaly

79.2186, 0.2866, 0.3079



Tritanomaly

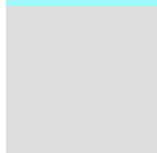
80.4231, 0.2675, 0.3179

Monochromacy



Original Color

80.6928, 0.2606, 0.3255



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.4256, 0.2904, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6928, 0.2606, 0.3255 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(158, 247, 250)` looks like.

```
.text, #text, p{  
    color:rgb(158, 247, 250)  
}
```

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(158, 247, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 247, 250) }
```

Border

The CSS property to change the border of an element to Yxy 80.6928, 0.2606, 0.3255 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(158, 247, 250) }
```

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

```
.border{ border-color:rgb(158, 247, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 247, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 247, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 247, 250);  
box-shadow:4px 4px 4px 4px rgb(158, 247,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6928, 0.2606, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 247, 250) }
```

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

```
.background{ background-color: rgb(158,  
247, 250) }
```

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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