

Converting Colors

$Yxy(78.9693, 0.2502, 0.3191)$

Have a look what the booklet for
Yxy(78.9693, 0.2502, 0.3191)
contains.

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Color

Yxy(78.7070, 0.2502, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	8CF6FF
RGB	140, 246, 255
RGB Percent	55%, 96%, 100%
CMY	0.4512, 0.0352, 0.0001
CMYK	0.45, 0.04, 0.00, 0.00
HSL	185°, 100%, 77%
HSV	185°, 45%, 100%
XYZ	61.8095, 78.7070, 106.5237
YIQ	215.3320, -66.0650, -19.6730

Conversions

Conversions Part 2

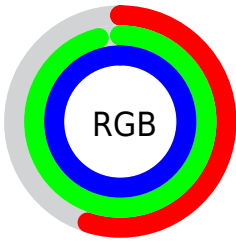
Format	Color
RYB	140, 195, 255
Decimal	9238271
CIELab	91.10, -28.46, -13.89
CIElCh	91, 31.665, 206.012
Yxy	78.7070, 0.2502, 0.3186
Android (android.graphics.Color)	4287428351 (0xFF8CF6FF)
YUV	215.3320, 19.5563, -66.0662
Hunter-Lab	88.7170, -30.8931, -9.0885

Details

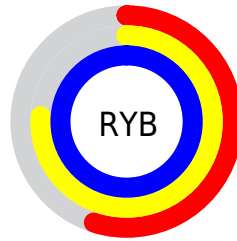
The Yxy color **78.7070, 0.2502, 0.3186** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.6106, 0.4304, 0.3387**, and the grayscale version is **68.0811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **42.1347, 0.2366, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **75.5448, 0.2401, 0.3160**, and if you desaturate by 10%, it is **82.4013, 0.2620, 0.3212**.

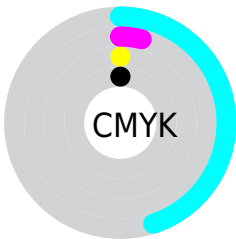
Distribution



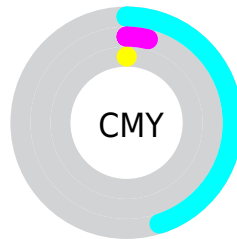
- Red (55%)
- Green (96%)
- Blue (100%)



- Red (55%)
- Yellow (76%)
- Blue (100%)



- Cyan (45%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7070, 0.2502, 0.3186 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 78.7070, 0.2502, 0.3186 by changing the saturation by 10% instead.

 78.7070, 0.2502,
0.3186


 78.7070, 0.2502,
0.3186

490.5646, 0.2781,
0.3240

 58.6549, 0.2441,
0.3172

 131.5463, 0.2597,
0.3206

 42.3354, 0.2367,
0.3155


 165.1023, 0.2634,
0.3213

 29.3640, 0.2275,
0.3131


203.9285, 0.2666,
0.3220

 19.3564, 0.2159,
0.3099

248.4091, 0.2695,
0.3225

 11.9281, 0.2007,
0.3053

298.9286, 0.2720,
0.3230

 6.6947, 0.1802,
0.2983

355.8715, 0.2743,

 3.2719, 0.1512,

0.3234

0.2864

419.6220, 0.2763,
0.3237

1.2753, 0.0991,
0.2668

0.1219, 0.0000,
0.0989

78.7070, 0.2502,
0.3186

78.7070, 0.2502,
0.3186

75.5448, 0.2401,
0.3160

82.4013, 0.2620,
0.3212

72.8695, 0.2318,
0.3133

86.6510, 0.2752,
0.3236

70.6435, 0.2255,
0.3106

91.4890, 0.2896,
0.3259

68.8195, 0.2212,
0.3079

96.9432, 0.3047,
0.3280

■ 67.3389, 0.2186,
0.3052

99.9987, 0.3127,
0.3290

■ 66.7004, 0.2178,
0.3040

Harmonies

Analogous

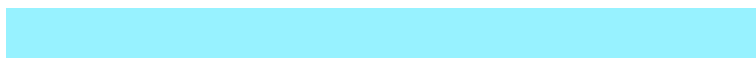
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7070, 0.2726, 0.3548



78.7070, 0.2502, 0.3186



78.7070, 0.2438, 0.2884

Triad

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



78.7070, 0.2502, 0.3186



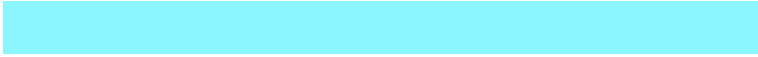
78.7070, 0.3156, 0.2813



78.7070, 0.3731, 0.3869

Complementary

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



78.7070, 0.2502, 0.3186



44.6106, 0.4304, 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.



78.7070, 0.3867, 0.3635



78.7070, 0.2502, 0.3186



78.7070, 0.3526, 0.3042

Square

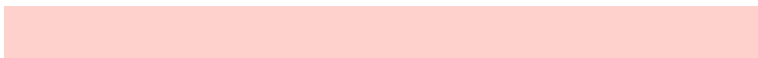
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7070, 0.2502, 0.3186



78.7070, 0.2798, 0.2693



78.7070, 0.3793, 0.3335



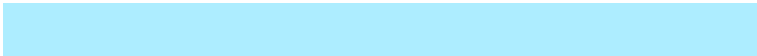
78.7070, 0.3433, 0.3958

Rectangle

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



78.7070, 0.2502, 0.3186



78.7070, 0.2489, 0.2753



78.7070, 0.3793, 0.3335



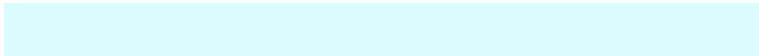
78.7070, 0.3798, 0.3803

Sweetspot

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



78.7100, 0.2502, 0.3186



92.0848, 0.2912, 0.3261



79.2027, 0.3025, 0.4619



19.4723, 0.2880, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

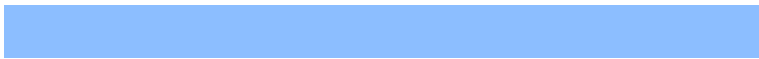
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7100, 0.2502, 0.3186



75.8875, 0.2411, 0.3163



49.5236, 0.2380, 0.2496



20.2249, 0.2980, 0.3271



34.9603, 0.2179, 0.3044



3.4730, 0.2187, 0.3074

Inverse Universe

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



46.6483, 0.3255, 0.2258



40.6008, 0.3285, 0.2083



66.8713, 0.4018, 0.3961



18.2745, 0.3150, 0.3074



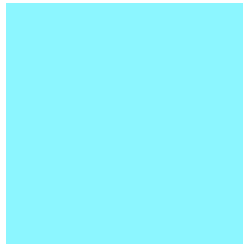
14.2572, 0.3416, 0.1655



1.3951, 0.3389, 0.1641

Previews

White Background



This preview shows how the Yxy color 78.7070, 0.2502, 0.3186 looks on a white background.

Color Contrast Check

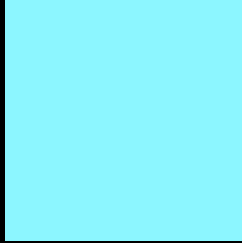
Large Text (above 18pt) WCAG AA × Fail

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 78.7070, 0.2502, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

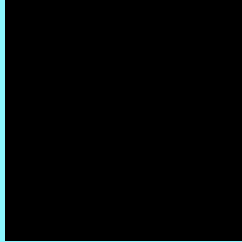
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7070, 0.2502, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 78.7070, 0.2502, 0.3186.

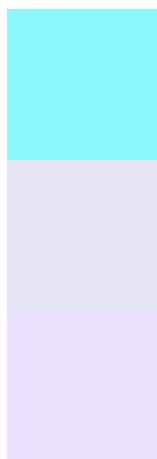


This preview shows how white text looks on a background with the Yxy color 78.7070, 0.2502, 0.3186.

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

78.7070, 0.2502, 0.3186

Protanopia

77.9032, 0.3033, 0.3124

Deuteranopia

77.4878, 0.2999, 0.2966



Tritanopia

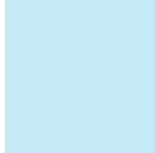
78.1981, 0.2636, 0.3123

Trichromacy



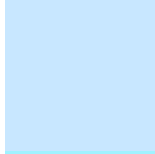
Original Color

78.7070, 0.2502, 0.3186



Protanomaly

77.2968, 0.2809, 0.3148



Deuteranomaly

76.6512, 0.2787, 0.3032



Tritanomaly

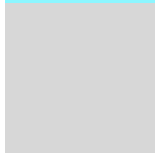
78.1978, 0.2584, 0.3143

Monochromacy



Original Color

78.7070, 0.2502, 0.3186



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

70.7972, 0.2851, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7070, 0.2502, 0.3186 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(140, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.7070, 0.2502, 0.3186 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(140, 246, 255) }
```

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

```
.border{ border-color:rgb(140, 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(140, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7070, 0.2502, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 246, 255) }
```

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

```
.background{ background-color: rgb(140,  
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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