

Converting Colors

$Yxy(78.9024, 0.2487, 0.3311)$

Have a look what the booklet for
Yxy(78.9024, 0.2487, 0.3311)
contains.

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Color

Yxy(78.9024, 0.2487, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	7EF9F7
RGB	126, 249, 247
RGB Percent	49%, 98%, 97%
CMY	0.5061, 0.0235, 0.0312
CMYK	0.49, 0.00, 0.01, 0.02
HSL	179°, 91%, 74%
HSV	179°, 49%, 98%
XYZ	59.2662, 78.9024, 100.1353
YIQ	211.9950, -72.6660, -26.6980

Conversions

Conversions Part 2

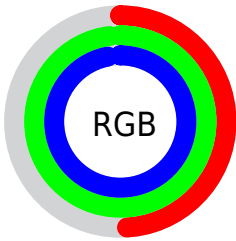
Format	Color
RYB	126, 188, 249
Decimal	8321527
CIELab	91.19, -34.86, -9.68
CIELCh	91, 36.184, 195.522
Yxy	78.9024, 0.2487, 0.3311
Android (android.graphics.Color)	4286511607 (0xFF7EF9F7)
YUV	211.9950, 17.2575, -75.4176
Hunter-Lab	88.8270, -36.3505, -4.6591

Details

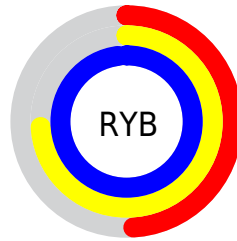
The Yxy color **78.9024, 0.2487, 0.3311** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.6032, 0.4509, 0.3274**, and the grayscale version is **65.7474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **42.4530, 0.2348, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.2189, 0.2404, 0.3316**, and if you desaturate by 10%, it is **81.0630, 0.2589, 0.3306**.

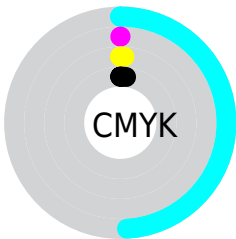
Distribution



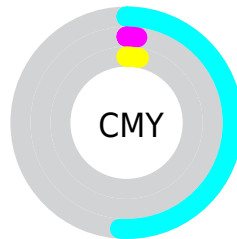
- Red (49%)
- Green (98%)
- Blue (97%)



- Red (49%)
- Yellow (74%)
- Blue (98%)



- Cyan (49%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (51%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9024, 0.2487, 0.3311 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 78.9024, 0.2487, 0.3311 by changing the saturation by 10% instead.

 78.9024, 0.2487,
0.3311

 78.9024, 0.2487,
0.3311


491.2261, 0.2773,
0.3308


 58.8156, 0.2424,
0.3310


 131.8215, 0.2584,
0.3311

 42.4647, 0.2348,
0.3308


 165.4225, 0.2623,
0.3311

 29.4653, 0.2253,
0.3305


 204.2970, 0.2656,
0.3311

 19.4331, 0.2133,
0.3298

248.8294, 0.2685,
0.3310

 11.9836, 0.1976,
0.3285

299.4041, 0.2711,
0.3310

 6.7325, 0.1763,
0.3261


356.4056, 0.2734,


 3.2954, 0.1462,


0.3309


420.2181, 0.2755,
0.3309


0.3209

 1.2878, 0.0800,
0.3159


 0.1318, 0.0000,
0.1384

 78.9024, 0.2487,
0.3311


 78.9024, 0.2487,
0.3311


 77.2189, 0.2404,
0.3316


 81.0630, 0.2589,
0.3306

 75.9676, 0.2341,
0.3321


 83.7236, 0.2707,
0.3302

 75.1110, 0.2297,
0.3326


 86.9162, 0.2840,
0.3297

 74.6008, 0.2271,
0.3331

 90.6679, 0.2984,
0.3293

 74.3616, 0.2261,
0.3336

 95.0038, 0.3136,
0.3290

 74.3510, 0.2260,
0.3337

 95.8828, 0.3163,
0.3286

 95.9077, 0.3160,
0.3282

 95.9326, 0.3158,
0.3278

 95.9576, 0.3156,
0.3275

Harmonies

Analogous

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



78.9024, 0.2792, 0.3722



78.9024, 0.2487, 0.3311



78.9024, 0.2350, 0.2929

Triad

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



78.9024, 0.2487, 0.3311



78.9024, 0.3008, 0.2688



78.9024, 0.3894, 0.3866

Complementary

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



78.9024, 0.2487, 0.3311



36.6032, 0.4509, 0.3274

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.



78.9024, 0.3972, 0.3560



78.9024, 0.2487, 0.3311



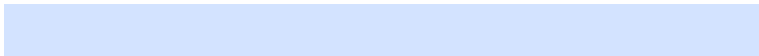
78.9024, 0.3440, 0.2907

Square

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



78.9024, 0.2487, 0.3311



78.9024, 0.2634, 0.2604



78.9024, 0.3803, 0.3217



78.9024, 0.3606, 0.4043

Rectangle

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



78.9024, 0.2487, 0.3311



78.9024, 0.2364, 0.2746



78.9024, 0.3803, 0.3217



78.9024, 0.3947, 0.3773

Sweetspot

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



78.9055, 0.2487, 0.3311



93.4142, 0.2902, 0.3296



73.8496, 0.3064, 0.4861



19.8201, 0.2872, 0.3296



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.



78.9055, 0.2487, 0.3311



81.5623, 0.2407, 0.3316



47.8923, 0.2335, 0.2541



19.6035, 0.2983, 0.3293



39.7981, 0.2260, 0.3336



3.6875, 0.2258, 0.3330

Inverse Universe

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



36.6032, 0.4509, 0.3274



32.3323, 0.4950, 0.3273



56.5209, 0.4178, 0.3919



17.2297, 0.3292, 0.3287



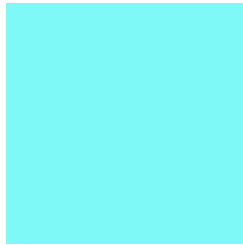
10.7871, 0.6384, 0.3291



1.0006, 0.6344, 0.3268

Previews

White Background



This preview shows how the Yxy color 78.9024, 0.2487, 0.3311 looks on a white background.

Color Contrast Check

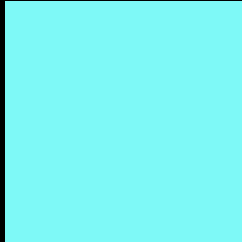
Large Text (above 18pt) WCAG AA × Fail

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 78.9024, 0.2487, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

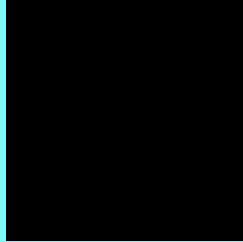
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9024, 0.2487, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 78.9024, 0.2487, 0.3311.

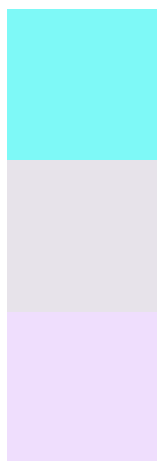


This preview shows how white text looks on a background with the Yxy color 78.9024, 0.2487, 0.3311.

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

78.9024, 0.2487, 0.3311

Protanopia

77.8676, 0.3110, 0.3217

Deuteranopia

77.6851, 0.3045, 0.2978



Tritanopia

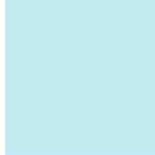
78.5656, 0.2627, 0.3133

Trichromacy



Original Color

78.9024, 0.2487, 0.3311



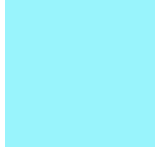
Protanomaly

76.9861, 0.2836, 0.3245



Deuteranomaly

76.6840, 0.2797, 0.3084



Tritanomaly

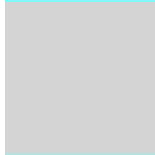
78.5019, 0.2569, 0.3198

Monochromacy



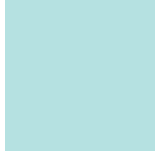
Original Color

78.9024, 0.2487, 0.3311



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

69.1104, 0.2835, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9024, 0.2487, 0.3311 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(126, 249, 247)` looks like.

```
.text, #text, p{  
    color:rgb(126, 249, 247)  
}
```

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(126, 249, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 249, 247) }
```

Border

The CSS property to change the border of an element to Yxy 78.9024, 0.2487, 0.3311 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(126, 249, 247) }
```

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

```
.border{ border-color:rgb(126, 249, 247) }
```

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

Here you see how a box with a 4 pixel rgb(126, 249, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 249, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 249, 247);  
box-shadow:4px 4px 4px 4px rgb(126, 249,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9024, 0.2487, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 249, 247) }
```

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

```
.background{ background-color: rgb(126,  
249, 247) }
```

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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