

# Converting Colors

$Y_{xy}(78.1585, 0.2572, 0.3398)$

Have a look what the booklet for  
Yxy(78.1585, 0.2572, 0.3398)  
contains.

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# Color

**Yxy(78.0978, 0.2572, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AF7EE
RGB	138, 247, 238
RGB Percent	54%, 97%, 93%
CMY	0.4584, 0.0314, 0.0668
CMYK	0.44, 0.00, 0.04, 0.03
HSL	175°, 87%, 76%
HSV	175°, 44%, 97%
XYZ	59.1831, 78.0978, 92.8246
YIQ	213.3830, -62.0750, -25.9070

# Conversions

## Conversions Part 2

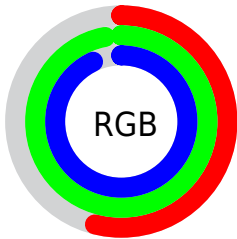
Format	Color
R <sub>Y</sub> B	138, 195, 247
Decimal	9107438
CIE Lab	90.82, -33.49, -5.46
CIE LCh	91, 33.930, 189.261
Yxy	78.0978, 0.2572, 0.3394
Android (android.graphics.Color)	4287297518 (0xFF8AF7EE)
YUV	213.3830, 12.1362, -66.1109
Hunter-Lab	88.3730, -35.1117, -0.4155

# Details

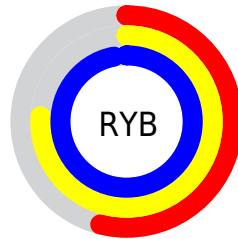
The Yxy color **78.0978, 0.2572, 0.3394** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.0883, 0.4204, 0.3196**, and the grayscale version is **66.7732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **41.8240, 0.2447, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **76.1069, 0.2484, 0.3421**, and if you desaturate by 10%, it is **80.5753, 0.2677, 0.3368**.

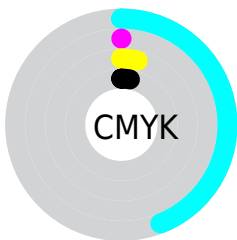
# Distribution



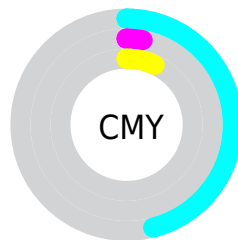
- Red (54%)
- Green (97%)
- Blue (93%)



- Red (54%)
- Yellow (76%)
- Blue (97%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)



- Cyan (46%)
- Magenta (3%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0978, 0.2572, 0.3394 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 78.0978, 0.2572, 0.3394 by changing the saturation by 10% instead.



 78.0978, 0.2572,  
0.3394


 78.0978, 0.2572,  
0.3394


488.4989, 0.2822,  
0.3351

 58.1543, 0.2517,  
0.3403


 130.6880, 0.2657,  
0.3380

 41.9327, 0.2449,  
0.3413


 164.1035, 0.2691,  
0.3374

 29.0486, 0.2364,  
0.3425

202.7784, 0.2720,  
0.3369

 19.1176, 0.2257,  
0.3440

247.0972, 0.2746,  
0.3364

 11.7553, 0.2114,  
0.3457

297.4443, 0.2768,  
0.3360

 6.5773, 0.1917,  
0.3476

354.2040, 0.2788,

 3.1992, 0.1632,

0.3357

0.3495

417.7607, 0.2806,  
0.3354

1.2366, 0.0935,  
0.3595

0.0913, 0.0000,  
0.1595

78.0978, 0.2572,  
0.3394

78.0978, 0.2572,  
0.3394

76.1069, 0.2484,  
0.3421

80.5753, 0.2677,  
0.3368

74.5605, 0.2414,  
0.3450


83.5600, 0.2797,  
0.3343

73.4247, 0.2364,  
0.3478


87.0822, 0.2928,  
0.3320

72.6565, 0.2334,  
0.3506

91.1676, 0.3068,  
0.3298


 72.2034, 0.2321,  
0.3535

 94.5675, 0.3171,  
0.3279

 72.0383, 0.2320,  
0.3551

 94.6952, 0.3159,  
0.3259

 94.8244, 0.3147,  
0.3239

 94.9550, 0.3135,  
0.3220

 94.9976, 0.3131,  
0.3214

# Harmonies

## Analogous

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



78.0978, 0.2888, 0.3764



78.0978, 0.2572, 0.3394



78.0978, 0.2406, 0.3019

# Triad

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



78.0978, 0.2572, 0.3394



78.0978, 0.2934, 0.2692



78.0978, 0.3883, 0.3782

# Complementary

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



78.0978, 0.2572, 0.3394



40.0883, 0.4204, 0.3196

# 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.



78.0978, 0.3907, 0.3480



78.0978, 0.2572, 0.3394



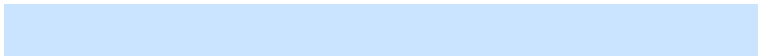
78.0978, 0.3339, 0.2876

# Square

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



78.0978, 0.2572, 0.3394



78.0978, 0.2604, 0.2644



78.0978, 0.3703, 0.3156



78.0978, 0.3649, 0.3979



# Rectangle

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



78.0978, 0.2572, 0.3394



78.0978, 0.2393, 0.2825



78.0978, 0.3703, 0.3156



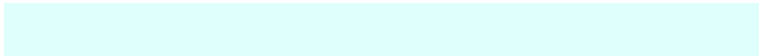
78.0978, 0.3917, 0.3688

# Sweetspot

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



78.1009, 0.2572, 0.3394



94.0704, 0.2943, 0.3317



74.5744, 0.3113, 0.4651



19.9417, 0.2913, 0.3322



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.



78.1009, 0.2572, 0.3394



82.0224, 0.2492, 0.3419



54.1898, 0.2435, 0.2731



18.7328, 0.2992, 0.3309



38.1113, 0.2318, 0.3546



3.3565, 0.2309, 0.3511



# Inverse Universe

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



40.0883, 0.4204, 0.3196



36.2967, 0.4561, 0.3182



55.6725, 0.4071, 0.3779



16.5048, 0.3281, 0.3271



10.4936, 0.6310, 0.3250

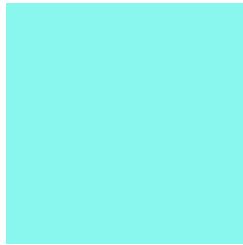


0.9298, 0.6107, 0.3138



# Previews

## White Background



This preview shows how the Yxy color 78.0978, 0.2572, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

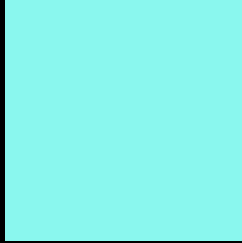
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0978, 0.2572, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

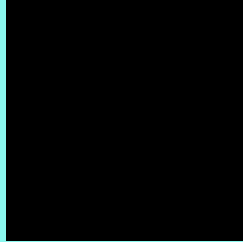
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0978, 0.2572, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0978, 0.2572, 0.3394.



This preview shows how white text looks on a background with the Yxy color 78.0978, 0.2572, 0.3394.

# 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

78.0978, 0.2572, 0.3394

### Protanopia

77.0395, 0.3169, 0.3290

### Deuteranopia

77.1218, 0.3124, 0.3057



## Tritanopia

77.9752, 0.2626, 0.3122

# Trichromacy



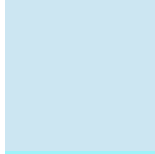
## Original Color

78.0978, 0.2572, 0.3394



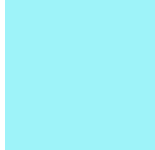
## Protanomaly

76.5646, 0.2917, 0.3334



## Deuteranomaly

75.8418, 0.2884, 0.3159



## Tritanomaly

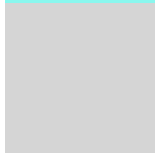
78.2098, 0.2605, 0.3221

# Monochromacy



## Original Color

78.0978, 0.2572, 0.3394



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.5635, 0.2884, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0978, 0.2572, 0.3394 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(138, 247, 238)` looks like.

```
.text, #text, p{  
    color:rgb(138, 247, 238)  
}
```

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(138, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 247, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0978, 0.2572, 0.3394 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(138, 247, 238) }
```

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

```
.border{ border-color:rgb(138, 247, 238) }
```

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

Here you see how a box with a 4 pixel rgb(138, 247, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(138, 247,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0978, 0.2572, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 247, 238) }
```

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

```
.background{ background-color: rgb(138,  
247, 238) }
```

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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