

Converting Colors

$Yxy(78.6145, 0.2757, 0.3644)$

Have a look what the booklet for
Yxy(78.6145, 0.2757, 0.3644)
contains.

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Color

Yxy(78.5992, 0.2757, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	9CF7D9
RGB	156, 247, 217
RGB Percent	61%, 97%, 85%
CMY	0.3885, 0.0313, 0.1491
CMYK	0.37, 0.00, 0.12, 0.03
HSL	160°, 85%, 79%
HSV	160°, 37%, 97%
XYZ	59.4834, 78.5992, 77.6715
YIQ	216.3710, -44.6060, -28.6220

Conversions

Conversions Part 2

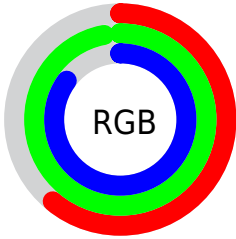
Format	Color
R _Y B	156, 210, 247
Decimal	10287065
CIE Lab	91.05, -33.75, 5.87
CIE LCh	91, 34.257, 170.132
Yxy	78.5992, 0.2757, 0.3643
Android (android.graphics.Color)	4288477145 (0xFF9CF7D9)
YUV	216.3710, 0.3101, -52.9454
Hunter-Lab	88.6562, -35.3847, 10.1155

Details

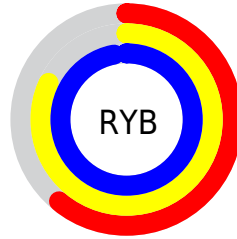
The Yxy color **78.5992, 0.2757, 0.3643** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.0743, 0.3727, 0.2969**, and the grayscale version is **68.9468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **42.1449, 0.2670, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **75.9716, 0.2679, 0.3758**, and if you desaturate by 10%, it is **81.7551, 0.2847, 0.3536**.

Distribution



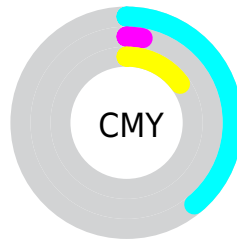
- Red (61%)
- Green (97%)
- Blue (85%)



- Red (61%)
- Yellow (82%)
- Blue (97%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)





- Cyan (39%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5992, 0.2757, 0.3643 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 78.5992, 0.2757, 0.3643 by changing the saturation by 10% instead.


 78.5992, 0.2757,
0.3643


 78.5992, 0.2757,
0.3643


490.1994, 0.2927,
0.3478

 58.5663, 0.2718,
0.3681


 131.3945, 0.2816,
0.3586

 42.2641, 0.2671,
0.3728


 164.9257, 0.2839,
0.3563

 29.3082, 0.2611,
0.3788


203.7251, 0.2859,
0.3544

 19.3141, 0.2532,
0.3867

248.1771, 0.2876,
0.3528

 11.8974, 0.2426,
0.3975

298.6662, 0.2891,
0.3513

 6.6739, 0.2275,
0.4133

355.5766, 0.2905,

 3.2590, 0.2044,

0.3500

0.4383

419.2929, 0.2917,
0.3489

■ 1.2684, 0.1341,
0.5015

■ 0.1165, 0.0000,
1.0000

■ 78.5992, 0.2757,
0.3643

■ 78.5992, 0.2757,
0.3643

■ 75.9716, 0.2679,
0.3758

■ 81.7551, 0.2847,
0.3536

■ 73.8318, 0.2616,
0.3880

■ 85.4579, 0.2947,
0.3437

■ 72.1488, 0.2571,
0.4005

■ 89.7371, 0.3053,
0.3347

■ 70.8838, 0.2546,
0.4133

■ 94.6172, 0.3161,
0.3266

■ 69.9914, 0.2541,
0.4261

■ 95.0124, 0.3131,
0.3214

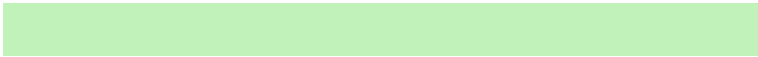
■ 69.4140, 0.2556,
0.4387

■ 69.2701, 0.2563,
0.4426

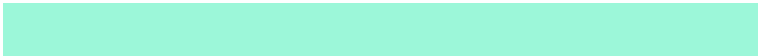
Harmonies

Analogous

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



78.5992, 0.3136, 0.3934



78.5992, 0.2757, 0.3643



78.5992, 0.2488, 0.3251

Triad

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



78.5992, 0.2757, 0.3643



78.5992, 0.2706, 0.2640



78.5992, 0.3932, 0.3598

Complementary

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



78.5992, 0.2757, 0.3643



47.0743, 0.3727, 0.2969

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.



78.5992, 0.3806, 0.3272



78.5992, 0.2757, 0.3643



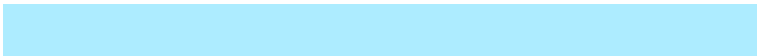
78.5992, 0.3077, 0.2741

Square

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



78.5992, 0.2757, 0.3643



78.5992, 0.2461, 0.2691



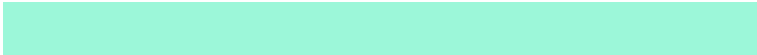
78.5992, 0.3485, 0.2967



78.5992, 0.3824, 0.3874

Rectangle

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



78.5992, 0.2757, 0.3643



78.5992, 0.2398, 0.3007



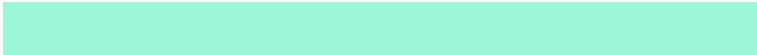
78.5992, 0.3485, 0.2967



78.5992, 0.3916, 0.3491

Sweetspot

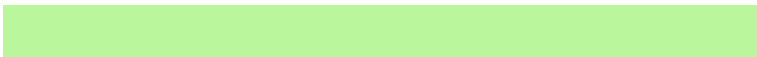
The Sweet Spot groups the original color and five complimentary colors.



78.6024, 0.2757, 0.3643



94.4814, 0.3008, 0.3383



79.4061, 0.3263, 0.4349



20.0889, 0.2994, 0.3395



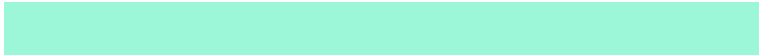
0.0000, 0.0000, 0.0000



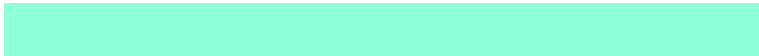
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6024, 0.2757, 0.3643



82.4042, 0.2699, 0.3725



71.3986, 0.2585, 0.3113



18.6595, 0.3025, 0.3369



36.6560, 0.2557, 0.4405



3.2406, 0.2513, 0.4248

Inverse Universe

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



47.0743, 0.3727, 0.2969



44.1317, 0.3902, 0.2906



51.3431, 0.3969, 0.3457



16.5726, 0.3242, 0.3212



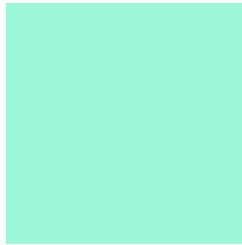
10.7988, 0.5656, 0.2889



0.9673, 0.5304, 0.2696

Previews

White Background



This preview shows how the Yxy color 78.5992, 0.2757, 0.3643 looks on a white background.

Color Contrast Check

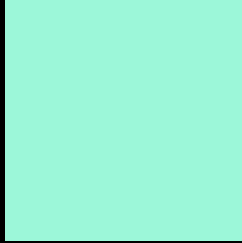
Large Text (above 18pt) WCAG AA × Fail

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 78.5992, 0.2757, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

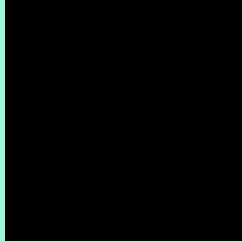
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

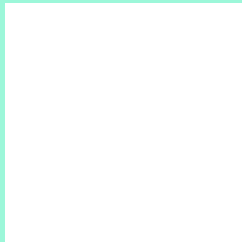
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5992, 0.2757, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 78.5992, 0.2757, 0.3643.

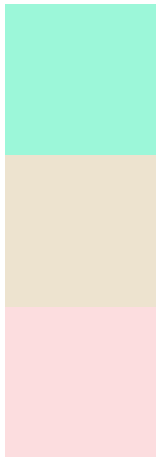


This preview shows how white text looks on a background with the Yxy color 78.5992, 0.2757, 0.3643.

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

78.5992, 0.2757, 0.3643

Protanopia

77.4477, 0.3330, 0.3501

Deuteranopia

77.7361, 0.3337, 0.3270



Tritanopia

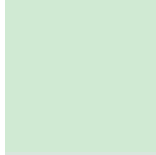
78.5367, 0.2676, 0.3113

Trichromacy



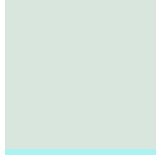
Original Color

78.5992, 0.2757, 0.3643



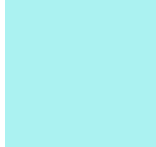
Protanomaly

76.9587, 0.3095, 0.3545



Deuteranomaly

76.5658, 0.3095, 0.3387



Tritanomaly

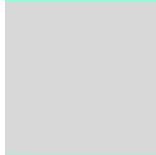
78.5131, 0.2708, 0.3300

Monochromacy



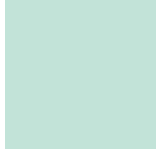
Original Color

78.5992, 0.2757, 0.3643



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.3654, 0.2973, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5992, 0.2757, 0.3643 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(156, 247, 217)` looks like.

```
.text, #text, p{  
    color:rgb(156, 247, 217)  
}
```

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(156, 247, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 247, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.5992, 0.2757, 0.3643 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(156, 247, 217) }
```

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

```
.border{ border-color:rgb(156, 247, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 247, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 247, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 247, 217);  
box-shadow:4px 4px 4px 4px rgb(156, 247,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5992, 0.2757, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 247, 217) }
```

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

```
.background{ background-color: rgb(156,  
247, 217) }
```

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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