

Converting Colors

XYZ(78.8587, 87.0597,
107.2557)

Have a look what the booklet for
XYZ(78.8587, 87.0597, 107.2557)
contains.

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Color

**XYZ(78.7267, 86.9719,
107.2457)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F5FF
RGB	215, 245, 255
RGB Percent	84%, 96%, 100%
CMY	0.1569, 0.0392, 0.0000
CMYK	0.16, 0.04, 0.00, 0.00
HSL	195°, 100%, 92%
HSV	195°, 16%, 100%
XYZ	78.7267, 86.9719, 107.2457
YIQ	237.1700, -21.0900, -3.2500

Conversions

Conversions Part 2

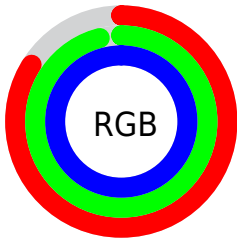
Format	Color
RYB	215, 232, 255
Decimal	14153215
CIELab	94.73, -7.70, -8.08
CIELCh	95, 11.166, 226.392
Yxy	86.9719, 0.2884, 0.3186
Android (android.graphics.Color)	4292343295 (0xFFD7F5FF)
YUV	237.1700, 8.7902, -19.4431
Hunter-Lab	93.2587, -12.5175, -2.9012

Details

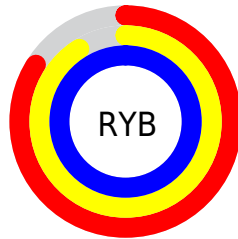
The XYZ color **78.7267, 86.9719, 107.2457** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4304, 80.0152, 75.4968**, and the grayscale version is **80.5752, 84.7714, 92.3160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8878, 47.9460, 60.4202** is the 20% darker color. If you saturate the color by 10%, you get **69.9203, 79.6216, 106.2911**, and if you desaturate by 10%, it is **88.7711, 95.0636, 108.2781**.

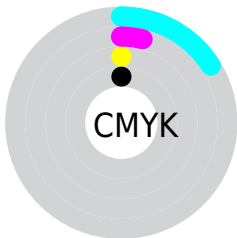
Distribution



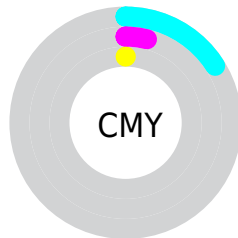
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7267, 86.9719, 107.2457 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 XYZ color 78.7267, 86.9719, 107.2457 by changing the saturation by 10% instead.

78.7267, 86.9719,
107.2457

78.7267, 86.9719,
107.2457

479.4334,
518.1305, 604.6256

58.9760, 65.4720,
81.7149

130.5340,
143.1250, 173.2178

42.8401, 47.8439,
60.5961

163.3213,
178.5469, 214.4960

29.9536, 33.7033,
43.4708

201.1848,
219.3782, 261.8606

19.9513, 22.6657,
29.9206

244.4899,
266.0034, 315.7299

12.4677, 14.3469,
19.5268

293.6020,
318.8069, 376.5225

7.1375, 8.3623,
11.8709

348.8864,

3.5953, 4.3277,

378.1729, 444.6569

6.5343

410.7084,
444.4860, 520.5518

■ 1.4759, 1.8585,
3.0986

■ 0.3093, 0.5232,
1.1452

■ 78.7267, 86.9719,
107.2457

■ 78.7267, 86.9719,
107.2457

■ 69.9203, 79.6216,
106.2911

■ 88.7711, 95.0636,
108.2781

■ 62.2905, 72.9731,
105.4099

95.0500, 100.0000,
108.9000

■ 55.7808, 66.9987,
104.5998

■ 50.3270, 61.6642,
103.8576

■ 45.8583, 56.9320,
103.1797

■ 42.2946, 52.7600,
102.5623

■ 39.5425, 49.0987,
102.0006

■ 37.4863, 45.8877,
101.4892

■ 36.7419, 44.6037,
101.2806

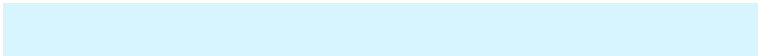
Harmonies

Analogous

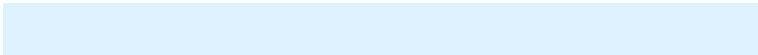
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2221, 86.9719, 99.4646



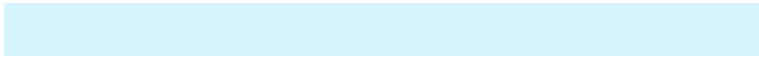
78.7267, 86.9719, 107.2457



81.3066, 86.9719, 111.7828

Triad

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



78.7267, 86.9719, 107.2457



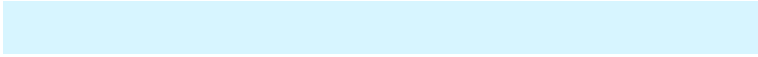
88.4324, 86.9719, 98.6611



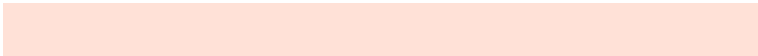
81.0376, 86.9719, 79.6345

Complementary

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



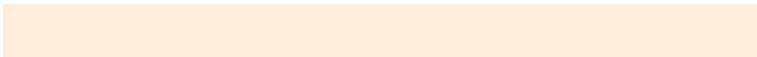
78.7267, 86.9719, 107.2457



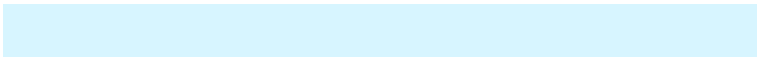
80.4304, 80.0152, 75.4968

Split Complementary

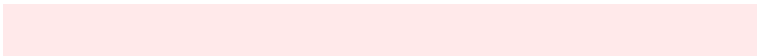
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0368, 86.9719, 79.4485



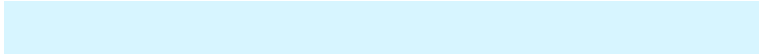
78.7267, 86.9719, 107.2457



88.3561, 86.9719, 90.0854

Square

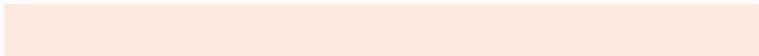
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



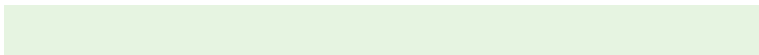
78.7267, 86.9719, 107.2457



86.9368, 86.9719, 106.6268



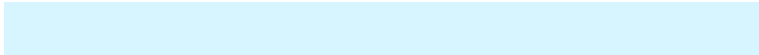
86.7308, 86.9719, 83.1686



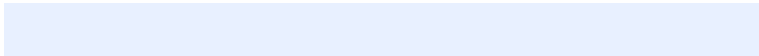
78.5339, 86.9719, 83.6931

Rectangle

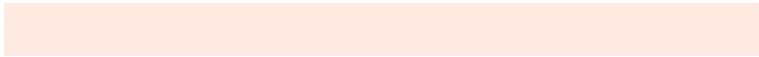
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



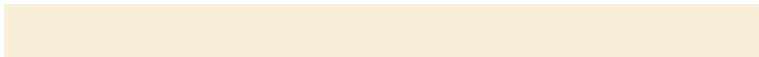
78.7267, 86.9719, 107.2457



83.3118, 86.9719, 112.1890



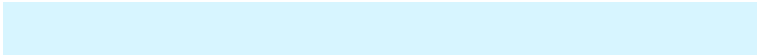
86.7308, 86.9719, 83.1686



82.0200, 86.9719, 79.1259

Sweetspot

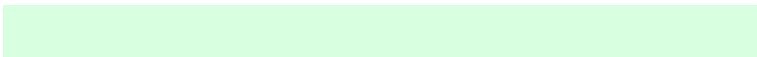
The Sweet Spot groups the original color and five complimentary colors.



78.7290, 86.9754, 107.2462



89.5058, 95.6455, 108.3517



77.2850, 91.3674, 84.3218



18.9967, 20.3444, 23.1756



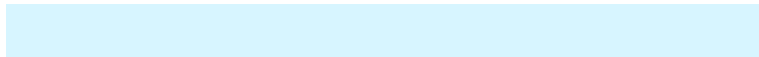
0.0000, 0.0000, 0.0000



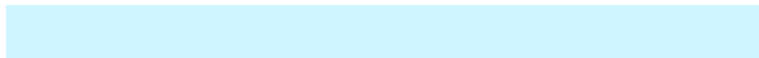
20.3446, 21.4041, 23.3091

Same Dimension

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



78.7290, 86.9754, 107.2462



75.6752, 84.4579, 106.9212



73.1812, 75.8799, 105.3970



18.1479, 19.6674, 23.0896



19.3231, 23.5559, 52.9629



1.9679, 2.4665, 5.1856

Inverse Universe

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



82.0232, 76.4549, 96.8246



79.6055, 72.1325, 94.4368



85.9573, 91.0689, 77.3391



18.5873, 18.2182, 21.7099



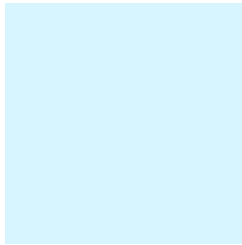
26.5416, 13.1059, 27.3004



2.6279, 1.2935, 2.8880

Previews

White Background



This preview shows how the XYZ color 78.7267, 86.9719, 107.2457 looks on a white background.

Color Contrast Check

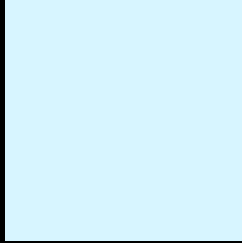
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.7267, 86.9719, 107.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

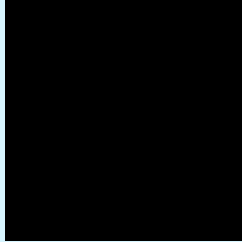
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7267, 86.9719, 107.2457

Background



This preview shows how black text looks on a background with the XYZ color 78.7267, 86.9719, 107.2457.



This preview shows how white text looks on a background with the XYZ color 78.7267, 86.9719,

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

78.7267, 86.9719, 107.2457

Protanopia

83.9223, 86.6394, 103.5667

Deuteranopia

87.6177, 86.7611, 106.7364



Tritanopia

80.8535, 86.7318, 107.0872

Trichromacy



Original Color

78.7267, 86.9719, 107.2457

Protanomaly

81.9810, 86.9278, 104.5533

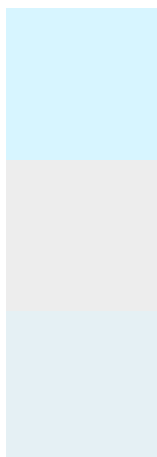
Deuteranomaly

84.2211, 86.7198, 106.9074

Tritanomaly

79.9194, 86.6933, 107.1290

Monochromacy



Original Color

78.7267, 86.9719, 107.2457

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.8023, 85.5098, 97.8870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7267, 86.9719, 107.2457 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(215, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 245, 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(215, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.7267, 86.9719, 107.2457 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(215, 245, 255) }
```


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

```
.border{ border-color:rgb(215, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7267, 86.9719, 107.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 245, 255) }
```

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

```
.background{ background-color: rgb(215,  
245, 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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