

Converting Colors

XYZ(78.4007, 87.6183,
107.5643)

Have a look what the booklet for
XYZ(78.4007, 87.6183, 107.5643)
contains.

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Color

**XYZ(78.4621, 87.7386,
107.4076)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F7FF
RGB	212, 247, 255
RGB Percent	83%, 97%, 100%
CMY	0.1686, 0.0314, 0.0000
CMYK	0.17, 0.03, 0.00, 0.00
HSL	191°, 100%, 92%
HSV	191°, 17%, 100%
XYZ	78.4621, 87.7386, 107.4076
YIQ	237.4470, -23.4280, -4.9320

Conversions

Conversions Part 2

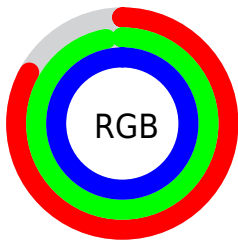
Format	Color
R _Y B	212, 231, 255
Decimal	13957119
CIE Lab	95.05, -9.63, -7.63
CIE LCh	95, 12.281, 218.385
Yxy	87.7386, 0.2868, 0.3207
Android (android.graphics.Color)	4292147199 (0xFFD4F7FF)
YUV	237.4470, 8.6536, -22.3170
Hunter-Lab	93.6689, -14.3993, -2.4180

Details

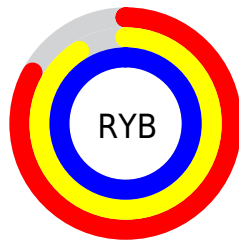
The XYZ color **78.4621, 87.7386, 107.4076** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.7164, 77.1984, 73.0409**, and the grayscale version is **80.7910, 84.9984, 92.5632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7285, 48.5069, 60.5368** is the 20% darker color. If you saturate the color by 10%, you get **70.2527, 81.3836, 106.6136**, and if you desaturate by 10%, it is **87.8739, 94.7728, 108.2693**.

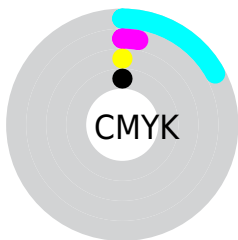
Distribution



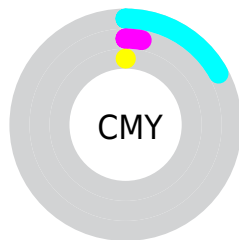
- Red (83%)
- Green (97%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4621, 87.7386, 107.4076 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 78.4621, 87.7386, 107.4076 by changing the saturation by 10% instead.

78.4621, 87.7386,
107.4076

78.4621, 87.7386,
107.4076

478.5506,
520.6468, 605.1383

58.7578, 66.1066,
81.8499

130.1633,
144.1932, 173.4406

42.6638, 48.3589,
60.7067

162.8908,
179.7846, 214.7530

29.8148, 34.1112,
43.5595

200.6901,
220.7978, 262.1541

19.8454, 22.9791,
29.9897

243.9265,
267.6174, 316.0624

12.3903, 14.5780,
19.5788

292.9654,
320.6277, 376.8964

7.0842, 8.5238,
11.9082

348.1722,

3.5616, 4.4319,

380.2131, 445.0747

6.5594

409.9121,
446.7580, 521.0158

■ 1.4572, 1.9180,
3.1139

■ 0.2965, 0.5592,
1.1531

■ 78.4621, 87.7386,
107.4076

■ 78.4621, 87.7386,
107.4076

■ 70.2527, 81.3836,
106.6136

■ 87.8739, 94.7728,
108.2693

■ 63.1841, 75.6687,
105.8831

95.0500, 100.0000,
108.9000

■ 57.1997, 70.5667,
105.2137

■ 52.2351, 66.0439,
104.6024

■ 48.2188, 62.0631,
104.0457

■ 45.0699, 58.5822,
103.5398

■ 42.6934, 55.5517,
103.0801

■ 40.9689, 52.9091,
102.6609

■ 40.5052, 52.1304,
102.5351

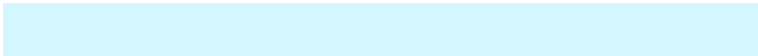
Harmonies

Analogous

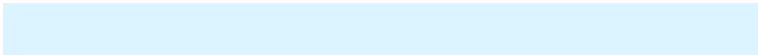
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2027, 87.7386, 98.2382



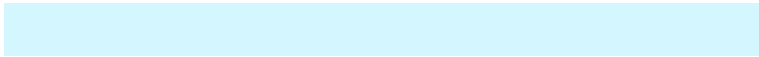
78.4621, 87.7386, 107.4076



81.0508, 87.7386, 113.6617

Triad

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



78.4621, 87.7386, 107.4076



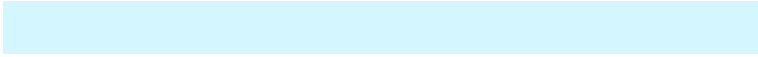
89.5037, 87.7386, 102.4652



82.4604, 87.7386, 78.4759

Complementary

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



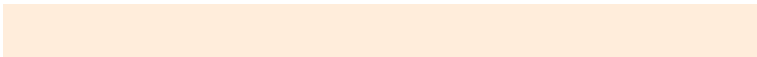
78.4621, 87.7386, 107.4076



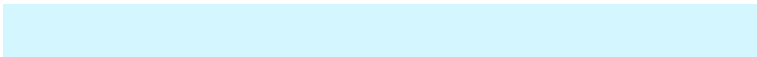
78.7164, 77.1984, 73.0409

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.



85.7798, 87.7386, 79.4413



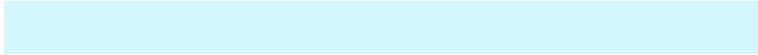
78.4621, 87.7386, 107.4076



89.9055, 87.7386, 92.8768

Square

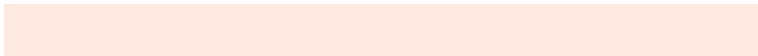
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4621, 87.7386, 107.4076



87.4424, 87.7386, 110.6783



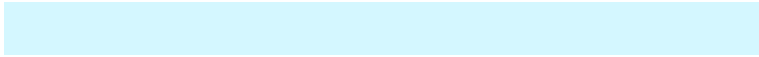
88.5261, 87.7386, 84.5665



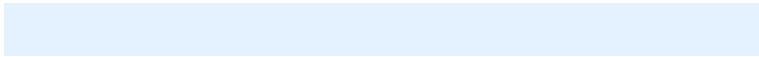
79.4704, 87.7386, 81.8354

Rectangle

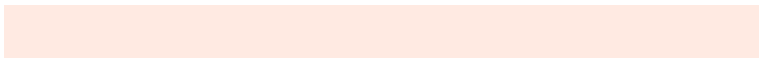
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4621, 87.7386, 107.4076



83.2121, 87.7386, 115.1110



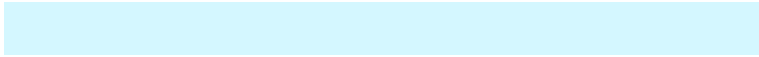
88.5261, 87.7386, 84.5665



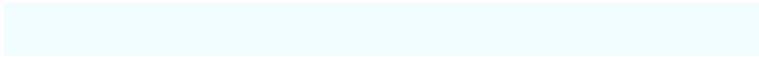
83.5739, 87.7386, 78.3101

Sweetspot

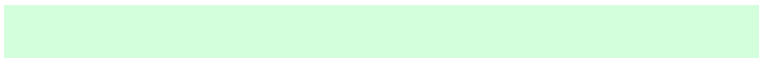
The Sweet Spot groups the original color and five complimentary colors.



78.4644, 87.7421, 107.4081



89.7622, 96.1583, 108.4372



75.8151, 90.6786, 81.1373



19.0592, 20.4693, 23.1964



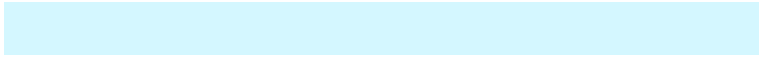
0.0000, 0.0000, 0.0000



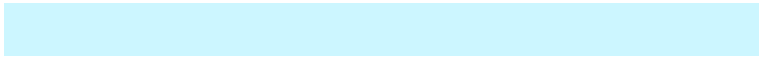
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4644, 87.7421, 107.4081



75.7610, 85.6756, 107.1518



72.2947, 75.4027, 105.3516



18.2508, 19.8733, 23.1240



21.2680, 27.4456, 53.6112



2.1417, 2.8141, 5.2436

Inverse Universe

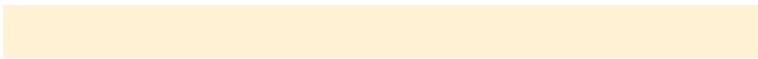
The Inverse Universe completely reimagines the original color for something new.



81.5734, 75.0638, 98.1893



79.3934, 71.0699, 96.3342



84.6931, 89.1518, 75.0331



18.6393, 18.2390, 21.9835



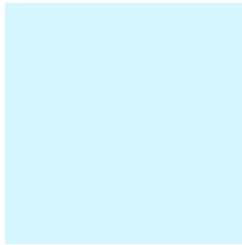
27.5233, 13.4986, 32.4699



2.7156, 1.3286, 3.3499

Previews

White Background



This preview shows how the XYZ color 78.4621, 87.7386, 107.4076 looks on a white background.

Color Contrast Check

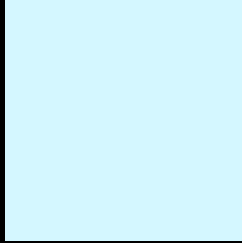
Large Text (above 18pt) WCAG AA × Fail

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 78.4621, 87.7386, 107.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

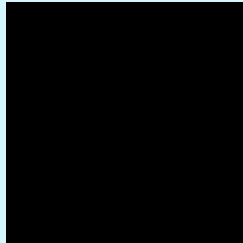
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4621, 87.7386, 107.4076

Background



This preview shows how black text looks on a background with the XYZ color 78.4621, 87.7386, 107.4076.

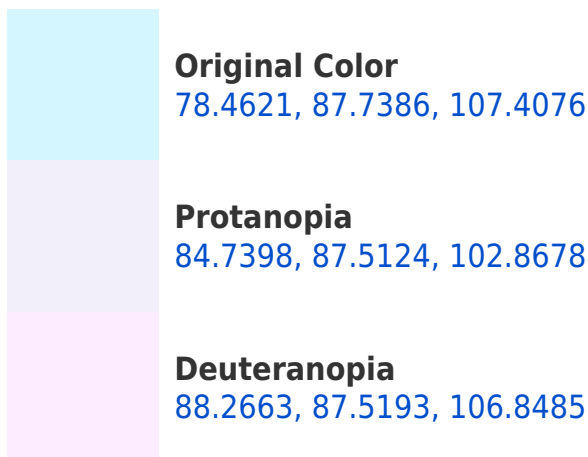


This preview shows how white text looks on a background with the XYZ color 78.4621, 87.7386,

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

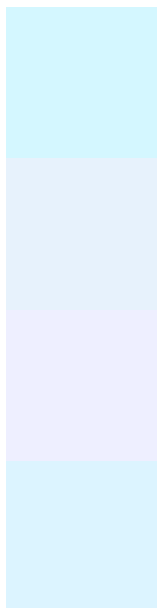




Tritanopia

81.1519, 87.3287, 107.1867

Trichromacy



Original Color

78.4621, 87.7386, 107.4076

Protanomaly

82.2778, 87.5215, 104.6523

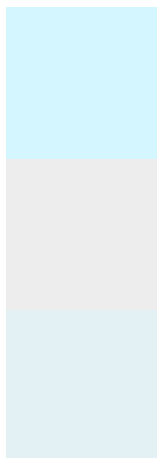
Deuteranomaly

84.1764, 87.1301, 106.9890

Tritanomaly

79.9159, 87.1370, 107.2148

Monochromacy



Original Color

78.4621, 87.7386, 107.4076

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.7793, 85.9362, 97.9705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4621, 87.7386, 107.4076 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(212, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 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(212, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4621, 87.7386, 107.4076 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(212, 247, 255) }
```


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

```
.border{ border-color:rgb(212, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4621, 87.7386, 107.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 255) }
```

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

```
.background{ background-color: rgb(212,  
247, 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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