

Converting Colors

XYZ(80.8509, 89.5092,
133.1206)

Have a look what the booklet for
XYZ(80.8509, 89.5092, 133.1206)
contains.

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Color

**XYZ(75.7451, 87.2507,
107.4566)**

Conversions

Conversions Part 1

Format	Color
Hex	C8F9FF
RGB	200, 249, 255
RGB Percent	78%, 98%, 100%
CMY	0.2157, 0.0235, 0.0000
CMYK	0.22, 0.02, 0.00, 0.00
HSL	187°, 100%, 89%
HSV	187°, 22%, 100%
XYZ	75.7451, 87.2507, 107.4566
YIQ	235.0330, -31.1300, -8.5220

Conversions

Conversions Part 2

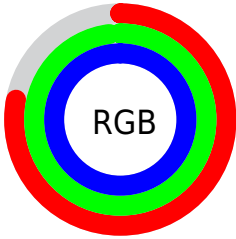
Format	Color
R _Y B	200, 226, 255
Decimal	13171199
CIE Lab	94.84, -14.22, -8.01
CIE LCh	95, 16.317, 209.405
Yxy	87.2507, 0.2801, 0.3226
Android (android.graphics.Color)	4291361279 (0xFFC8F9FF)
YUV	235.0330, 9.8437, -30.7239
Hunter-Lab	93.4081, -18.7176, -2.8215

Details

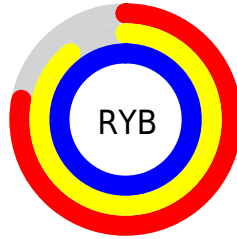
The XYZ color **75.7451, 87.2507, 107.4566** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7365, 69.5719, 64.1878**, and the grayscale version is **78.9371, 83.0480, 90.4392**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9401, 48.2369, 60.5790** is the 20% darker color. If you saturate the color by 10%, you get **68.6421, 82.3252, 106.8803**, and if you desaturate by 10%, it is **84.0012, 92.7941, 108.0915**.

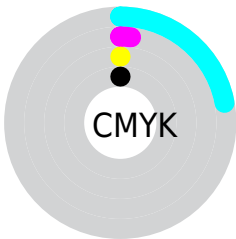
Distribution



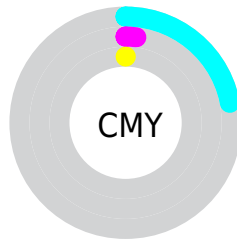
- Red (78%)
- Green (98%)
- Blue (100%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7451, 87.2507, 107.4566 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 75.7451, 87.2507, 107.4566 by changing the saturation by 10% instead.

75.7451, 87.2507,
107.4566

75.7451, 87.2507,
107.4566

469.4325,
519.0463, 605.2934

56.5198, 65.7027,
81.8908

126.3488,
143.5135, 173.5081

40.8585, 48.0311,
60.7402

158.4580,
178.9971, 214.8308

28.3957, 33.8515,
43.5864

195.5925,
219.8947, 262.2429

18.7661, 22.7796,
30.0107

238.1176,
266.5907, 316.1630

11.6044, 14.4308,
19.5946

286.3989,
319.4694, 377.0095

6.5452, 8.4209,
11.9195

340.8015,

3.2231, 4.3654,

378.9154, 445.2011

6.5670

401.6910,
445.3129, 521.1562

■ 1.2728, 1.8800,
3.1185

■ 0.1627, 0.5363,
1.1555

■ 75.7451, 87.2507,
107.4566

■ 75.7451, 87.2507,
107.4566

■ 68.6421, 82.3252,
106.8803

■ 84.0012, 92.7941,
108.0915

■ 62.6290, 77.9780,
106.3581

■ 93.4559, 98.9721,
108.7856

■ 57.6470, 74.1811,
105.8878

■ 95.0500, 100.0000,
108.9000

■ 53.6287, 70.8996,
105.4662

■ 50.4989, 68.0947,
105.0898

■ 48.1711, 65.7217,
104.7544

■ 46.5409, 63.7268,
104.4553

■ 45.5747, 62.2693,
104.2249

Harmonies

Analogous

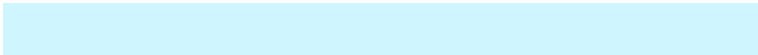
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7197, 87.2507, 94.7487



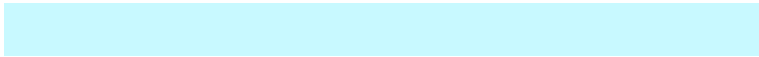
75.7451, 87.2507, 107.4566



78.6794, 87.2507, 117.5248

Triad

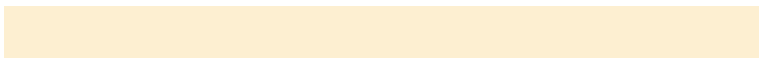
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7451, 87.2507, 107.4566



90.4602, 87.2507, 107.9324



83.0174, 87.2507, 72.6868

Complementary

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



75.7451, 87.2507, 107.4566



73.7365, 69.5719, 64.1878

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.



87.3293, 87.2507, 75.5565



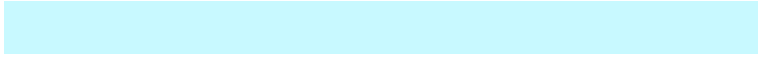
75.7451, 87.2507, 107.4566



91.7189, 87.2507, 95.2541

Square

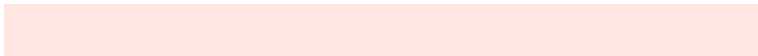
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7451, 87.2507, 107.4566



87.1713, 87.2507, 117.8162



90.5537, 87.2507, 83.5475



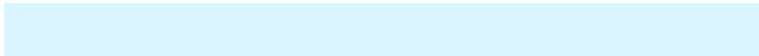
78.8270, 87.2507, 75.3398

Rectangle

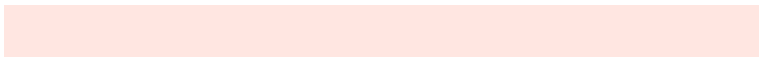
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7451, 87.2507, 107.4566



81.3767, 87.2507, 120.9840



90.5537, 87.2507, 83.5475



84.5013, 87.2507, 73.0332

Sweetspot

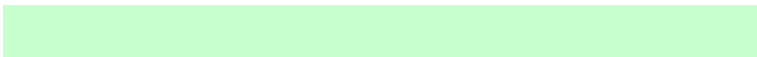
The Sweet Spot groups the original color and five complimentary colors.



75.7474, 87.2542, 107.4572



89.1137, 96.1533, 108.4704



70.6604, 88.2319, 71.3825



18.9414, 20.4942, 23.2074



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.



75.7474, 87.2542, 107.4572



72.4595, 84.9957, 107.1945



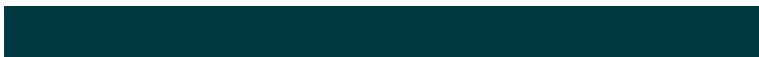
67.9919, 71.7432, 104.8720



18.3758, 20.1232, 23.1656



23.8818, 32.6731, 54.4824



2.3716, 3.2739, 5.3202

Inverse Universe

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



78.9946, 69.4098, 98.8605



76.2812, 64.2895, 97.0109



80.8049, 83.7088, 66.5439



18.7023, 18.2642, 22.3156



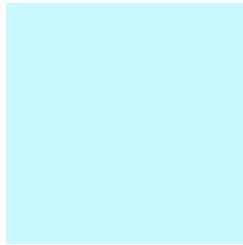
28.8426, 14.0263, 39.4172



2.8317, 1.3750, 3.9610

Previews

White Background



This preview shows how the XYZ color 75.7451, 87.2507, 107.4566 looks on a white background.

Color Contrast Check

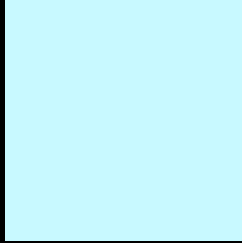
Large Text (above 18pt) WCAG AA × Fail

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 75.7451, 87.2507, 107.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

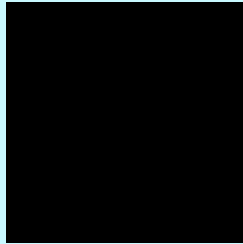
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.7451, 87.2507, 107.4566

Background



This preview shows how black text looks on a background with the XYZ color 75.7451, 87.2507, 107.4566.

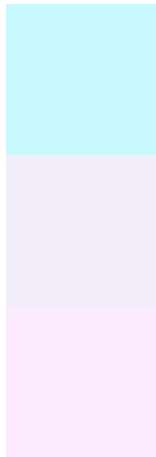


This preview shows how white text looks on a background with the XYZ color 75.7451, 87.2507,

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

75.7451, 87.2507, 107.4566

Protanopia

83.9490, 86.6894, 101.9307

Deuteranopia

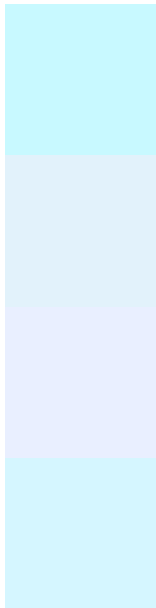
87.6177, 86.7611, 106.7364



Tritanopia

79.9159, 87.1370, 107.2148

Trichromacy



Original Color

75.7451, 87.2507, 107.4566

Protanomaly

80.5287, 86.6380, 103.7453

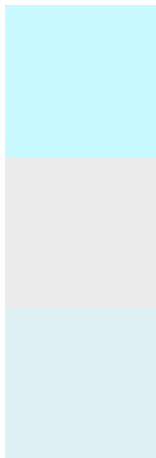
Deuteranomaly

82.5208, 86.2766, 106.9115

Tritanomaly

78.4463, 87.2777, 107.3195

Monochromacy



Original Color

75.7451, 87.2507, 107.4566

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.3113, 84.2606, 96.1936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7451, 87.2507, 107.4566 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(200, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 249, 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(200, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.7451, 87.2507, 107.4566 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(200, 249, 255) }
```


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

```
.border{ border-color:rgb(200, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7451, 87.2507, 107.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 249, 255) }
```

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

```
.background{ background-color: rgb(200,  
249, 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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