

Converting Colors

XYZ(77.9756, 87.9954,
107.4828)

Have a look what the booklet for
XYZ(77.9756, 87.9954, 107.4828)
contains.

XYZ(77.9119, 87.9101, 107.4697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.9119, 87.9101,
107.4697)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F8FF
RGB	209, 248, 255
RGB Percent	82%, 97%, 100%
CMY	0.1804, 0.0274, 0.0000
CMYK	0.18, 0.03, 0.00, 0.00
HSL	189°, 100%, 91%
HSV	189°, 18%, 100%
XYZ	77.9119, 87.9101, 107.4697
YIQ	237.1370, -25.4910, -6.0910

Conversions

Conversions Part 2

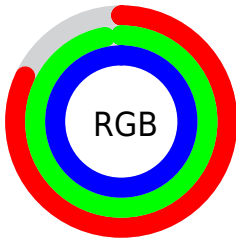
Format	Color
R _Y B	209, 230, 255
Decimal	13760767
CIE Lab	95.12, -11.04, -7.54
CIE LCh	95, 13.366, 214.337
Yxy	87.9101, 0.2851, 0.3217
Android (android.graphics.Color)	4291950847 (0xFFD1F8FF)
YUV	237.1370, 8.8065, -24.6761
Hunter-Lab	93.7604, -15.7529, -2.3269

Details

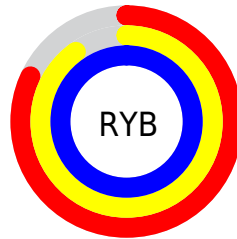
The XYZ color **77.9119, 87.9101, 107.4697** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3042, 74.9741, 70.7204**, and the grayscale version is **80.5521, 84.7471, 92.2896**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3691, 48.6465, 60.5827** is the 20% darker color. If you saturate the color by 10%, you get **70.0872, 82.1270, 106.7658**, and if you desaturate by 10%, it is **86.9206, 94.3449, 108.2369**.

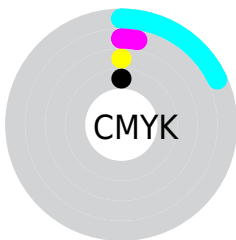
Distribution



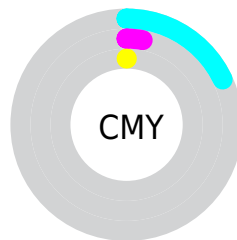
- Red (82%)
- Green (97%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9119, 87.9101, 107.4697 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 77.9119, 87.9101, 107.4697 by changing the saturation by 10% instead.

77.9119, 87.9101,
107.4697

77.9119, 87.9101,
107.4697

476.7120,
521.2088, 605.3349

58.3041, 66.2486,
81.9017

129.3919,
144.4320, 173.5261

42.2974, 48.4743,
60.7492

161.9949,
180.0612, 214.8516

29.5264, 34.2026,
43.5936

199.6604,
221.1151, 262.2667

19.6257, 23.0493,
30.0163

242.7537,
267.9781, 316.1899

12.2299, 14.6299,
19.5988

291.6401,
321.0345, 377.0398

6.9738, 8.5601,
11.9226

346.6851,

3.4919, 4.4554,

380.6689, 445.2349

6.5691

408.2539,
447.2655, 521.1938

■ 1.4189, 1.9314,
3.1198

■ 0.2696, 0.5672,
1.1561

■ 77.9119, 87.9101,
107.4697

■ 77.9119, 87.9101,
107.4697

■ 70.0872, 82.1270,
106.7658

■ 86.9206, 94.3449,
108.2369

■ 63.3846, 76.9565,
106.1211

95.0500, 100.0000,
108.9000

■ 57.7470, 72.3712,
105.5332

■ 53.1095, 68.3375,
104.9990

■ 49.3997, 64.8178,
104.5152

■ 46.5354, 61.7697,
104.0778

■ 44.4197, 59.1427,
103.6823

■ 42.9209, 56.8688,
103.3224

■ 42.6626, 56.4453,
103.2542

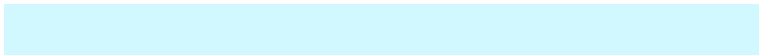
Harmonies

Analogous

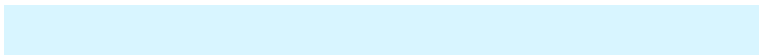
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7731, 87.9101, 97.2421



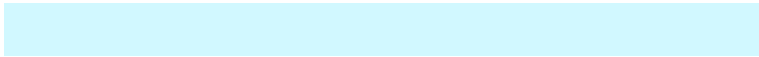
77.9119, 87.9101, 107.4697



80.5630, 87.9101, 114.9357

Triad

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



77.9119, 87.9101, 107.4697



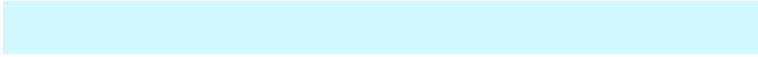
90.0209, 87.9101, 104.6599



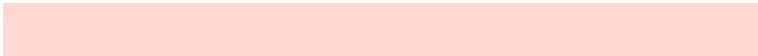
83.0280, 87.9101, 77.1005

Complementary

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



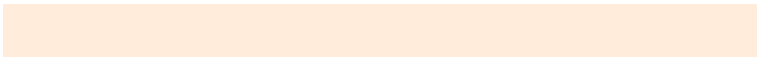
77.9119, 87.9101, 107.4697



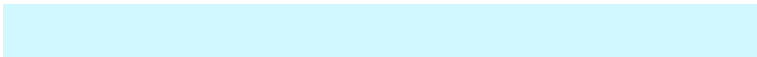
77.3042, 74.9741, 70.7204

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.



86.6221, 87.9101, 78.7736



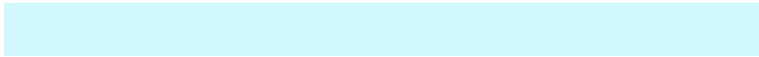
77.9119, 87.9101, 107.4697



90.7269, 87.9101, 94.2122

Square

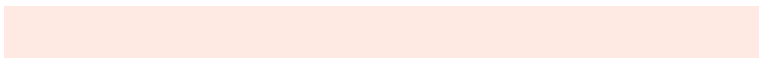
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9119, 87.9101, 107.4697



87.5640, 87.9101, 113.2327



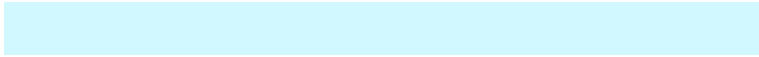
89.4661, 87.9101, 84.8580



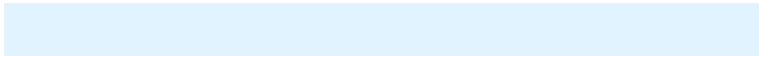
79.6720, 87.9101, 80.1115

Rectangle

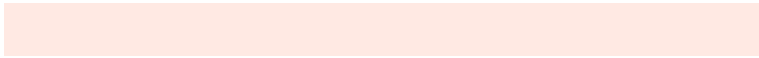
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9119, 87.9101, 107.4697



82.8676, 87.9101, 117.0708



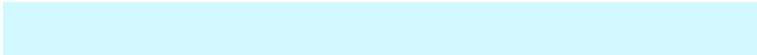
89.4661, 87.9101, 84.8580



84.2481, 87.9101, 77.1355

Sweetspot

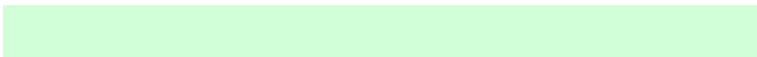
The Sweet Spot groups the original color and five complimentary colors.



77.9142, 87.9136, 107.4702



89.8984, 96.4306, 108.4826



74.4373, 90.0285, 78.3535



19.0924, 20.5357, 23.2075



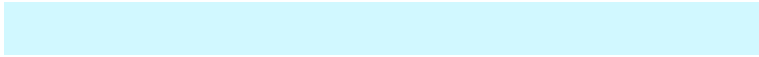
0.0000, 0.0000, 0.0000



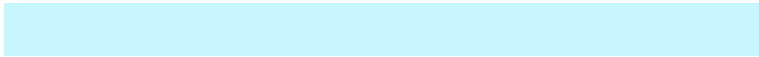
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9142, 87.9136, 107.4702



74.6752, 85.5455, 107.1839



71.2980, 74.6811, 105.2648



18.3057, 19.9830, 23.1422



22.3811, 29.6718, 53.9822



2.2401, 3.0108, 5.2764

Inverse Universe

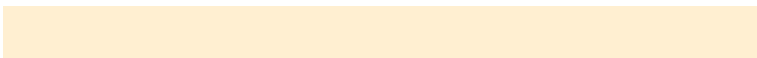
The Inverse Universe completely reimagines the original color for something new.



80.9852, 73.6399, 98.7566



78.3470, 68.7435, 96.7059



83.5865, 87.5386, 72.8145



18.6669, 18.2501, 22.1293



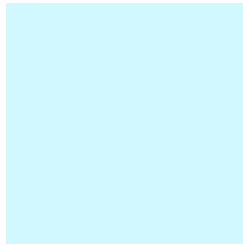
28.0852, 13.7234, 35.4285



2.7653, 1.3485, 3.6114

Previews

White Background



This preview shows how the XYZ color 77.9119, 87.9101, 107.4697 looks on a white background.

Color Contrast Check

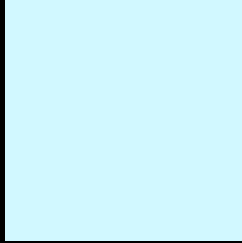
Large Text (above 18pt) WCAG AA × Fail

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 77.9119, 87.9101, 107.4697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

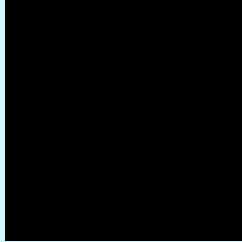
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9119, 87.9101, 107.4697

Background



This preview shows how black text looks on a background with the XYZ color 77.9119, 87.9101, 107.4697.

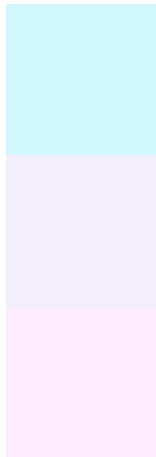


This preview shows how white text looks on a background with the XYZ color 77.9119, 87.9101,

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

77.9119, 87.9101, 107.4697

Protanopia

84.7398, 87.5124, 102.8678

Deuteranopia

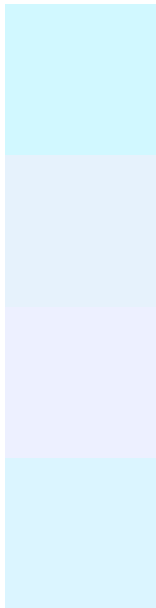
88.2663, 87.5193, 106.8485



Tritanopia

81.4520, 87.9289, 107.2867

Trichromacy



Original Color

77.9119, 87.9101, 107.4697

Protanomaly

81.9559, 87.3555, 104.6372

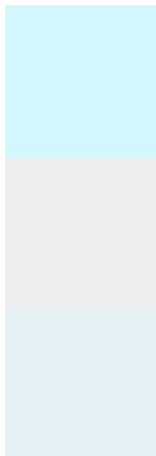
Deuteranomaly

84.1351, 87.5447, 107.0712

Tritanomaly

79.9158, 87.5849, 107.3013

Monochromacy



Original Color

77.9119, 87.9101, 107.4697

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.4630, 85.7731, 97.9557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9119, 87.9101, 107.4697 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(209, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 248, 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(209, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.9119, 87.9101, 107.4697 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(209, 248, 255) }
```


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

```
.border{ border-color:rgb(209, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9119, 87.9101, 107.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 248, 255) }
```

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

```
.background{ background-color: rgb(209,  
248, 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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