

Converting Colors

XYZ(102.4481, 100.0000,
240.6754)

Have a look what the booklet for
XYZ(102.4481, 100.0000, 240.6754)
contains.

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Color

**XYZ(77.2627, 89.8881,
107.8857)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FDFF
RGB	201, 253, 255
RGB Percent	79%, 99%, 100%
CMY	0.2118, 0.0078, 0.0000
CMYK	0.21, 0.01, 0.00, 0.00
HSL	182°, 100%, 89%
HSV	182°, 21%, 100%
XYZ	77.2627, 89.8881, 107.8857
YIQ	237.6800, -31.6340, -10.4020

Conversions

Conversions Part 2

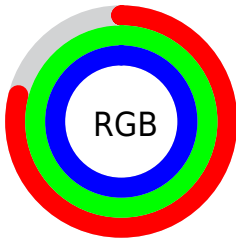
Format	Color
R _Y B	201, 227, 255
Decimal	13237759
CIE Lab	95.95, -15.91, -6.37
CIE LCh	96, 17.134, 201.824
Yxy	89.8881, 0.2809, 0.3268
Android (android.graphics.Color)	4291427839 (0xFFC9FDFF)
YUV	237.6800, 8.5388, -32.1684
Hunter-Lab	94.8093, -20.4518, -1.1009

Details

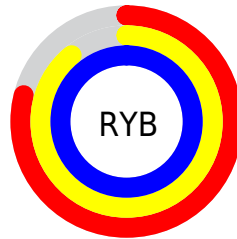
The XYZ color **77.2627, 89.8881, 107.8857** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1384, 68.1880, 64.5669**, and the grayscale version is **80.9762, 85.1933, 92.7755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7870, 49.6681, 60.8106** is the 20% darker color. If you saturate the color by 10%, you get **70.6725, 86.0526, 107.4927**, and if you desaturate by 10%, it is **84.9970, 94.3203, 108.3336**.

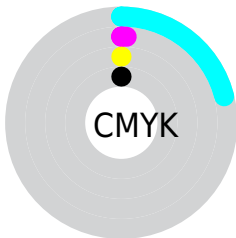
Distribution



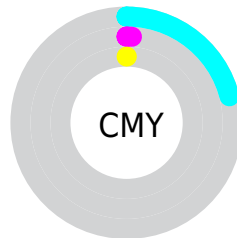
- Red (79%)
- Green (99%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2627, 89.8881, 107.8857 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 77.2627, 89.8881, 107.8857 by changing the saturation by 10% instead.

77.2627, 89.8881,
107.8857

77.2627, 89.8881,
107.8857

474.5375,
527.6668, 606.6511

57.7692, 67.8878,
82.2489

128.4811,
147.1830, 174.0985

41.8657, 49.8065,
61.0337

160.9367,
183.2463, 215.5116

29.1868, 35.2597,
43.8216

198.4438,
224.7662, 263.0205

19.3671, 23.8630,
30.1941

241.3675,
272.1270, 317.0437

12.0414, 15.2320,
19.7327

290.0734,
325.7130, 377.9999

6.8443, 8.9824,
12.0187

344.9268,

3.4104, 4.7297,

385.9087, 446.3074

6.6337

406.2931,
453.0985, 522.3850

■ 1.3743, 2.0895,
3.1592

■ 0.2378, 0.6587,
1.1765

■ 77.2627, 89.8881,
107.8857

■ 77.2627, 89.8881,
107.8857

■ 70.6725, 86.0526,
107.4927

■ 84.9970, 94.3203,
108.3336

■ 65.1632, 82.7742,
107.1503

■ 93.9206, 99.3654,
108.8370

■ 60.6762, 80.0250,
106.8561

■ 95.0500, 100.0000,
108.9000

■ 57.1448, 77.7706,
106.6071

■ 54.4939, 75.9723,
106.3997

■ 52.6377, 74.5857,
106.2299

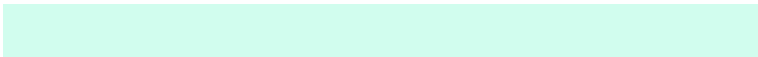
■ 51.4728, 73.5578,
106.0929

■ 50.8778, 72.8757,
105.9926

Harmonies

Analogous

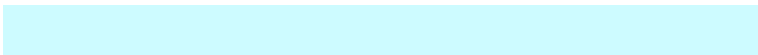
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7404, 89.8881, 94.2127



77.2627, 89.8881, 107.8857



79.9334, 89.8881, 119.8255

Triad

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



77.2627, 89.8881, 107.8857



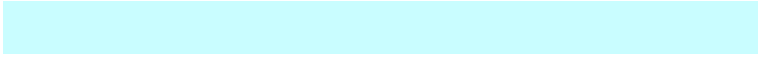
92.7919, 89.8881, 114.8828



86.7368, 89.8881, 74.2739

Complementary

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



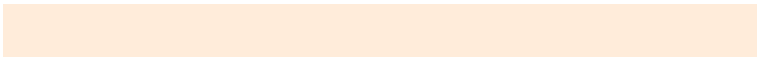
77.2627, 89.8881, 107.8857



73.1384, 68.1880, 64.5669

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.



91.1854, 89.8881, 78.7798



77.2627, 89.8881, 107.8857



94.7647, 89.8881, 101.6266

Square

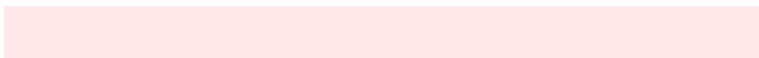
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2627, 89.8881, 107.8857



88.8641, 89.8881, 124.1180



94.1662, 89.8881, 88.4995



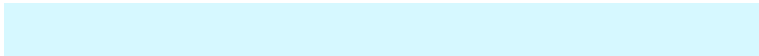
82.0971, 89.8881, 75.6157

Rectangle

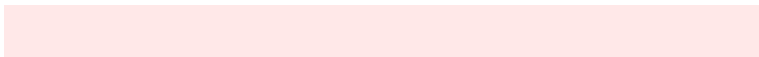
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



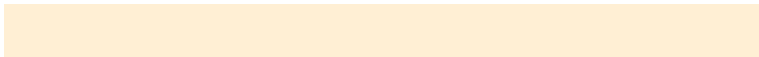
77.2627, 89.8881, 107.8857



82.6283, 89.8881, 124.7840



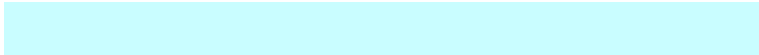
94.1662, 89.8881, 88.4995



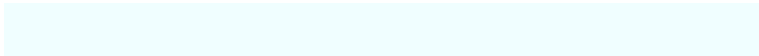
88.3064, 89.8881, 75.1389

Sweetspot

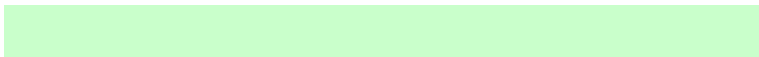
The Sweet Spot groups the original color and five complimentary colors.



77.2650, 89.8917, 107.8863



89.4633, 96.8527, 108.5870



70.6042, 88.2403, 69.6876



19.0244, 20.6601, 23.2351



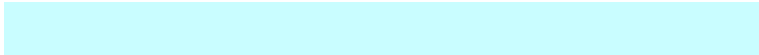
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.2650, 89.8917, 107.8863



74.6120, 88.3553, 107.7295



69.3894, 74.1403, 105.2610



18.4940, 20.3595, 23.2050



26.6103, 38.1302, 55.3919



2.6082, 3.7471, 5.3991

Inverse Universe

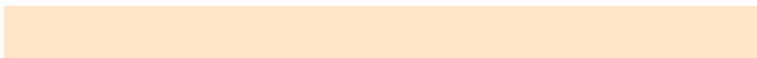
The Inverse Universe completely reimagines the original color for something new.



79.8577, 70.1268, 102.2596



77.5984, 65.7000, 101.2235



80.0245, 81.9603, 66.8623



18.7620, 18.2881, 22.6297



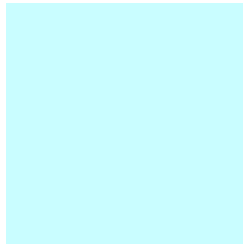
30.2198, 14.5772, 46.6696



2.9511, 1.4228, 4.5899

Previews

White Background



This preview shows how the XYZ color 77.2627, 89.8881, 107.8857 looks on a white background.

Color Contrast Check

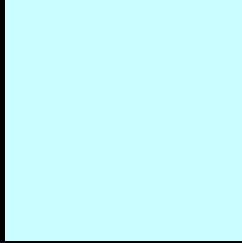
Large Text (above 18pt) WCAG AA × Fail

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 77.2627, 89.8881, 107.8857 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 77.2627, 89.8881, 107.8857

Background



This preview shows how black text looks on a background with the XYZ color 77.2627, 89.8881, 107.8857.

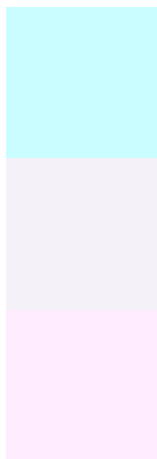


This preview shows how white text looks on a background with the XYZ color 77.2627, 89.8881,

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

77.2627, 89.8881, 107.8857

Protanopia

86.0548, 89.1004, 101.4695

Deuteranopia

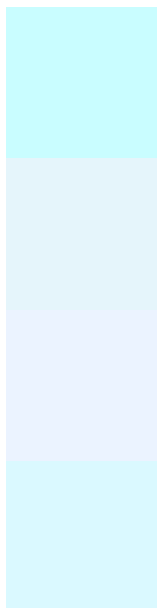
89.5742, 89.0484, 107.0747



Tritanopia

82.6843, 89.4624, 107.5178

Trichromacy



Original Color

77.2627, 89.8881, 107.8857

Protanomaly

82.3781, 88.9279, 104.0898

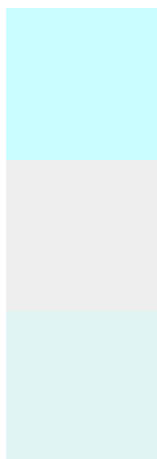
Deuteranomaly

84.3615, 88.9834, 107.3369

Tritanomaly

80.8391, 89.8768, 107.6950

Monochromacy



Original Color

77.2627, 89.8881, 107.8857

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.4311, 86.6404, 98.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2627, 89.8881, 107.8857 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(201, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 253, 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(201, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2627, 89.8881, 107.8857 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(201, 253, 255) }
```


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

```
.border{ border-color:rgb(201, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2627, 89.8881, 107.8857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 253, 255) }
```

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

```
.background{ background-color: rgb(201,  
253, 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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