

Converting Colors

XYZ(78.4187, 88.8818,
107.6305)

Have a look what the booklet for
XYZ(78.4187, 88.8818, 107.6305)
contains.

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Color

**XYZ(78.5301, 89.1465,
107.6758)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FAFF
RGB	209, 250, 255
RGB Percent	82%, 98%, 100%
CMY	0.1804, 0.0196, 0.0000
CMYK	0.18, 0.02, 0.00, 0.00
HSL	187°, 100%, 91%
HSV	187°, 18%, 100%
XYZ	78.5301, 89.1465, 107.6758
YIQ	238.3110, -26.0410, -7.1370

Conversions

Conversions Part 2

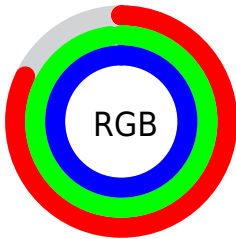
Format	Color
R _Y B	209, 231, 255
Decimal	13761279
CIE Lab	95.64, -12.04, -6.77
CIE LCh	96, 13.812, 209.363
Yxy	89.1465, 0.2852, 0.3238
Android (android.graphics.Color)	4291951359 (0xFFD1FAFF)
YUV	238.3110, 8.2277, -25.7057
Hunter-Lab	94.4174, -16.7661, -1.5235

Details

The XYZ color **78.5301, 89.1465, 107.6758** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.7949, 73.9555, 70.5506**, and the grayscale version is **81.4636, 85.7060, 93.3339**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5894, 49.0872, 60.6561** is the 20% darker color. If you saturate the color by 10%, you get **71.0312, 84.0150, 107.0805**, and if you desaturate by 10%, it is **87.2010, 94.9057, 108.3304**.

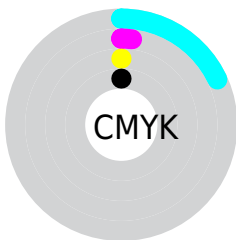
Distribution



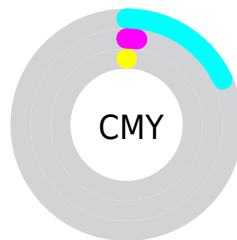
- Red (82%)
- Green (98%)
- Blue (100%)



- Red (82%)
- Yellow (91%)
- Blue (100%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5301, 89.1465, 107.6758 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 78.5301, 89.1465, 107.6758 by changing the saturation by 10% instead.


 78.5301, 89.1465,
107.6758

 78.5301, 89.1465,
107.6758


478.7776,
525.2505, 605.9872

 58.8138, 67.2730,
82.0737


130.2585,
146.1523, 173.8097

 42.7091, 49.3065,
60.8901


163.0014,
182.0533, 215.1786

 29.8504, 34.8627,
43.7065


200.8173,
223.3990, 262.6402

 19.8726, 23.5571,
30.1044

244.0713,
270.5737, 316.6130

 12.4102, 15.0054,
19.6651

293.1291,
323.9618, 377.5155

 7.0979, 8.8232,
11.9702

348.3558,

 3.5703, 4.6260,

383.9477, 445.7664

6.6011

410.1168,
450.9158, 521.7841

■ 1.4620, 2.0296,
3.1393

■ 0.2998, 0.6246,
1.1662

■ 78.5301, 89.1465,
107.6758

■ 78.5301, 89.1465,
107.6758

■ 71.0312, 84.0150,
107.0805

■ 87.2010, 94.9057,
108.3304

■ 64.6424, 79.4721,
106.5404

95.0500, 100.0000,
108.9000

■ 59.3068, 75.4907,
106.0531

■ 54.9594, 72.0372,
105.6157

■ 51.5280, 69.0745,
105.2246

■ 48.9306, 66.5600,
104.8762

■ 47.0703, 64.4438,
104.5658

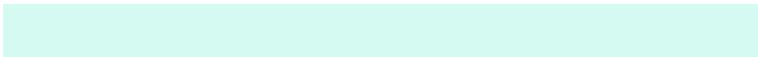
■ 45.8154, 62.6579,
104.2872

■ 45.6037, 62.3274,
104.2346

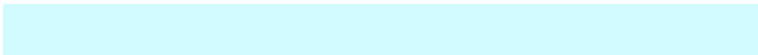
Harmonies

Analogous

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



77.6429, 89.1465, 96.8332



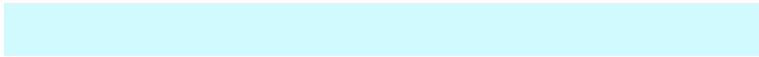
78.5301, 89.1465, 107.6758



81.0671, 89.1465, 116.1767

Triad

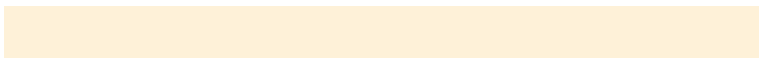
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5301, 89.1465, 107.6758



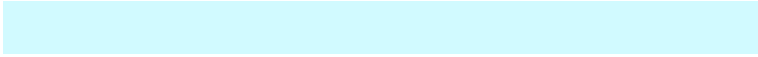
91.1649, 89.1465, 108.1077



84.8122, 89.1465, 77.6348

Complementary

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



78.5301, 89.1465, 107.6758



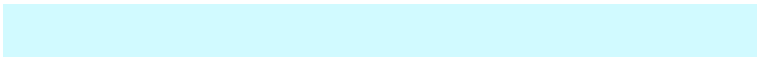
76.7949, 73.9555, 70.5506

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.



88.5038, 89.1465, 80.1741



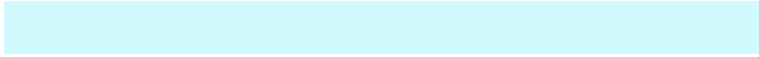
78.5301, 89.1465, 107.6758



92.2380, 89.1465, 97.2980

Square

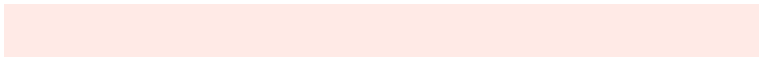
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5301, 89.1465, 107.6758



88.3592, 89.1465, 116.4389



91.2502, 89.1465, 87.1760



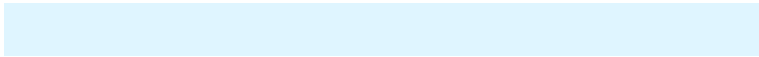
81.2037, 89.1465, 79.9696

Rectangle

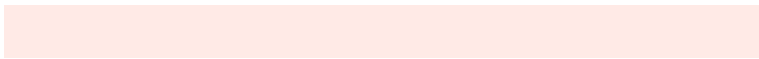
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5301, 89.1465, 107.6758



83.3914, 89.1465, 119.0839



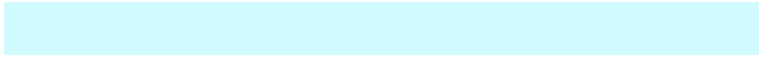
91.2502, 89.1465, 87.1760



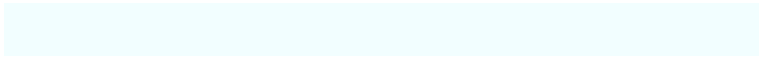
86.0850, 89.1465, 77.9435

Sweetspot

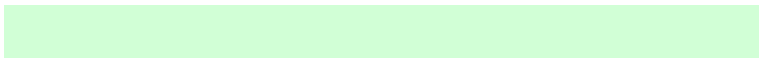
The Sweet Spot groups the original color and five complimentary colors.



78.5324, 89.1501, 107.6763



90.0737, 96.7813, 108.5410



74.1421, 89.9104, 76.7991



19.1351, 20.6212, 23.2217



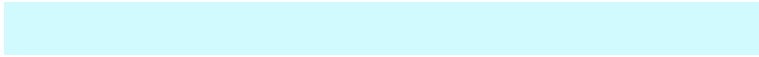
0.0000, 0.0000, 0.0000



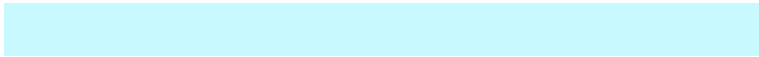
20.3446, 21.4041, 23.3091

Same Dimension

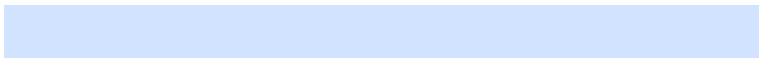
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5324, 89.1501, 107.6763



75.4239, 87.0429, 107.4334



71.9243, 75.9338, 105.4736



18.3765, 20.1245, 23.1658



23.8967, 32.7030, 54.4874



2.3729, 3.2765, 5.3206

Inverse Universe

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



81.2972, 73.7647, 100.3998



78.7250, 68.8947, 98.6961



82.9178, 86.2012, 72.5916



18.7027, 18.2644, 22.3174



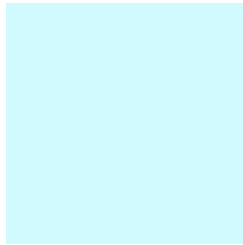
28.8502, 14.0294, 39.4570



2.8323, 1.3753, 3.9645

Previews

White Background



This preview shows how the XYZ color 78.5301, 89.1465, 107.6758 looks on a white background.

Color Contrast Check

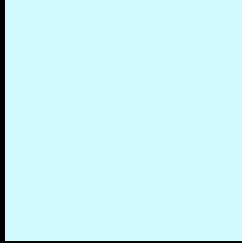
Large Text (above 18pt) WCAG AA × Fail

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 78.5301, 89.1465, 107.6758 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 78.5301, 89.1465, 107.6758

Background



This preview shows how black text looks on a background with the XYZ color 78.5301, 89.1465, 107.6758.

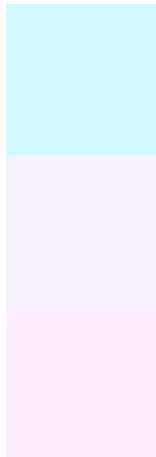


This preview shows how white text looks on a background with the XYZ color 78.5301, 89.1465,

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

78.5301, 89.1465, 107.6758

Protanopia

85.8624, 88.9832, 102.2726

Deuteranopia

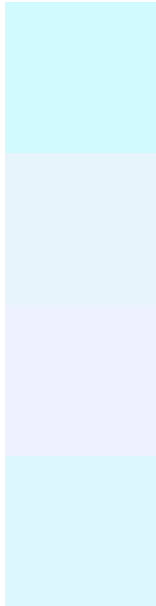
89.2855, 88.4709, 106.9785



Tritanopia

82.6973, 89.0188, 107.4315

Trichromacy



Original Color

78.5301, 89.1465, 107.6758

Protanomaly

82.7183, 88.6553, 104.0193

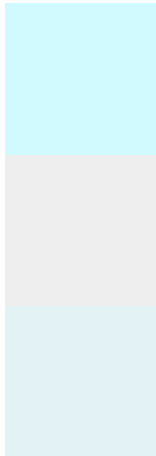
Deuteranomaly

84.7652, 88.3077, 107.1852

Tritanomaly

81.1296, 89.1137, 107.5324

Monochromacy



Original Color

78.5301, 89.1465, 107.6758

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.7598, 86.3668, 98.0546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5301, 89.1465, 107.6758 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.5301, 89.1465, 107.6758 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, 250, 255) }
```


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

```
.border{ border-color:rgb(209, 250, 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, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5301, 89.1465, 107.6758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 255) }
```

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

```
.background{ background-color: rgb(209,  
250, 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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