

Converting Colors

XYZ(78.2096, 88.4635,
107.5608)

Have a look what the booklet for
XYZ(78.2096, 88.4635, 107.5608)
contains.

XYZ(78.2202, 88.5267, 107.5725)	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(78.2202, 88.5267,
107.5725)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F9FF
RGB	209, 249, 255
RGB Percent	82%, 98%, 100%
CMY	0.1804, 0.0235, 0.0000
CMYK	0.18, 0.02, 0.00, 0.00
HSL	188°, 100%, 91%
HSV	188°, 18%, 100%
XYZ	78.2202, 88.5267, 107.5725
YIQ	237.7240, -25.7660, -6.6140

Conversions

Conversions Part 2

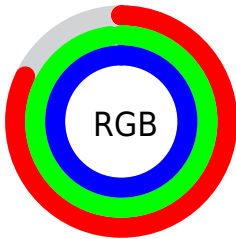
Format	Color
R_{YB}	209, 230, 255
Decimal	13761023
CIE _{Lab}	95.38, -11.54, -7.16
CIE _{LCh}	95, 13.577, 211.808
Yxy	88.5267, 0.2851, 0.3227
Android (android.graphics.Color)	4291951103 (0xFFD1F9FF)
YUV	237.7240, 8.5171, -25.1909
Hunter-Lab	94.0886, -16.2598, -1.9248

Details

The XYZ color **78.2202, 88.5267, 107.5725** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0487, 74.4632, 70.6352**, and the grayscale version is **81.0071, 85.2258, 92.8109**.

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 **70.5572, 83.0671, 106.9225**, and if you desaturate by 10%, it is **87.0606, 94.6250, 108.2836**.

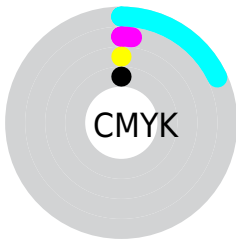
Distribution



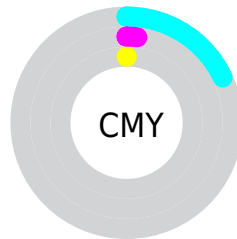
- Red (82%)
- Green (98%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- 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 78.2202, 88.5267, 107.5725 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 78.2202, 88.5267, 107.5725 by changing the saturation by 10% instead.

78.2202, 88.5267,
107.5725

78.2202, 88.5267,
107.5725

477.7427,
523.2265, 605.6603

58.5583, 66.7594,
81.9875

129.8242,
145.2902, 173.6676

42.5026, 48.8891,
60.8195

162.4970,
181.0552, 215.0147

29.6879, 34.5315,
43.6499

200.2375,
222.2548, 262.4530

19.7487, 23.3022,
30.0602

243.4111,
269.2734, 316.4009

12.3197, 14.8168,
19.6318

292.3830,
322.4956, 377.2771

7.0356, 8.6909,
11.9463

347.5187,

3.5309, 4.5401,

382.3055, 445.5000

6.5850

409.1835,
449.0877, 521.4883

■ 1.4403, 1.9801,
3.1295

■ 0.2847, 0.5959,
1.1611

■ 78.2202, 88.5267,
107.5725

■ 78.2202, 88.5267,
107.5725

■ 70.5572, 83.0671,
106.9225

■ 87.0606, 94.6250,
108.2836

■ 64.0099, 78.2071,
106.3295

95.0500, 100.0000,
108.9000

■ 58.5212, 73.9196,
105.7913

■ 54.0261, 70.1708,
105.3046

■ 50.4525, 66.9235,
104.8661

■ 47.7182, 64.1352,
104.4721

■ 45.7262, 61.7557,
104.1178

■ 44.3450, 59.7170,
103.7970

■ 44.1091, 59.3382,
103.7364

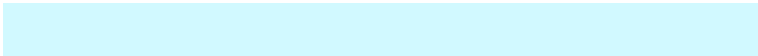
Harmonies

Analogous

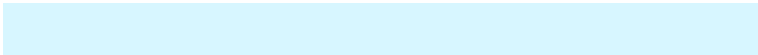
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2069, 88.5267, 97.0369



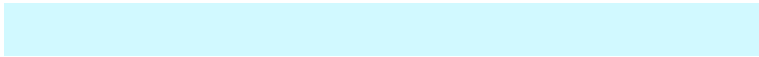
78.2202, 88.5267, 107.5725



80.8144, 88.5267, 115.5553

Triad

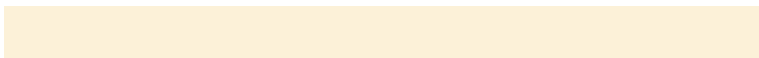
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2202, 88.5267, 107.5725



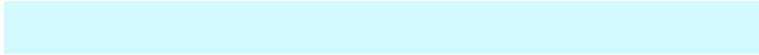
90.5917, 88.5267, 106.3750



83.9170, 88.5267, 77.3666

Complementary

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



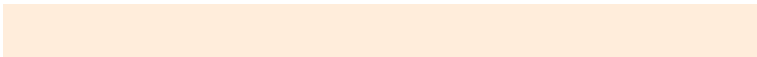
78.2202, 88.5267, 107.5725



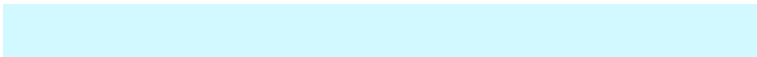
77.0487, 74.4632, 70.6352

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.



87.5596, 88.5267, 79.4713



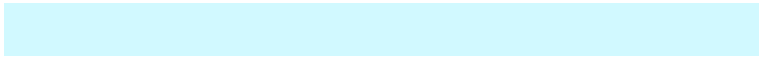
78.2202, 88.5267, 107.5725



91.4804, 88.5267, 95.7470

Square

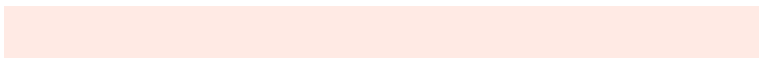
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2202, 88.5267, 107.5725



87.9608, 88.5267, 114.8290



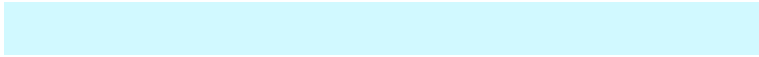
90.3553, 88.5267, 86.0116



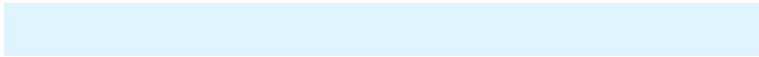
80.4353, 88.5267, 80.0398

Rectangle

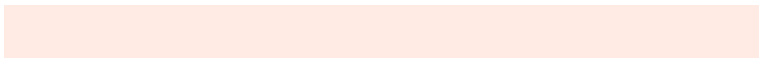
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2202, 88.5267, 107.5725



83.1289, 88.5267, 118.0749



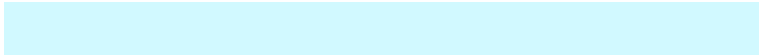
90.3553, 88.5267, 86.0116



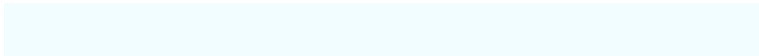
85.1633, 88.5267, 77.5381

Sweetspot

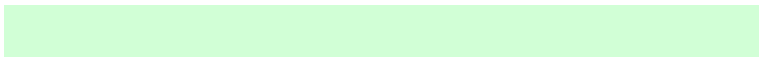
The Sweet Spot groups the original color and five complimentary colors.



78.2225, 88.5302, 107.5730



89.9860, 96.6059, 108.5118



74.2400, 89.9496, 77.3148



19.1137, 20.5784, 23.2146



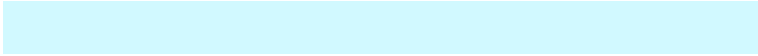
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.2225, 88.5302, 107.5730



75.0484, 86.2918, 107.3083



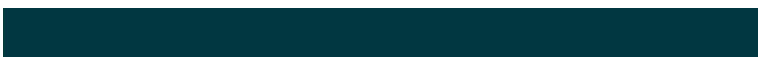
71.7146, 75.5144, 105.4037



18.3410, 20.0537, 23.1540



23.1268, 31.1631, 54.2308



2.3056, 3.1418, 5.2982

Inverse Universe

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



81.1408, 73.7021, 99.5761



78.5354, 68.8188, 97.6978



83.1397, 86.6451, 72.6655



18.6848, 18.2572, 22.2232



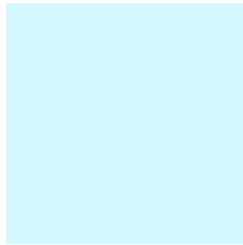
28.4615, 13.8739, 37.4104



2.7984, 1.3617, 3.7855

Previews

White Background



This preview shows how the XYZ color 78.2202, 88.5267, 107.5725 looks on a white background.

Color Contrast Check

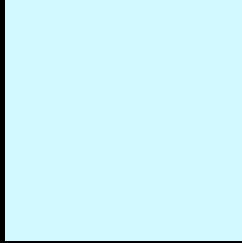
Large Text (above 18pt) WCAG AA × Fail

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 78.2202, 88.5267, 107.5725 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

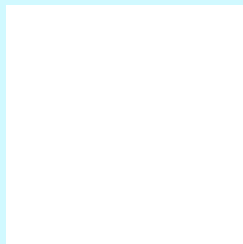
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2202, 88.5267, 107.5725

Background



This preview shows how black text looks on a background with the XYZ color 78.2202, 88.5267, 107.5725.



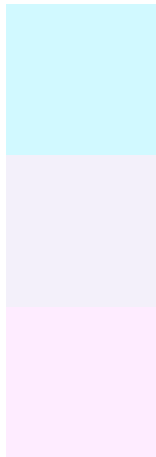
This preview shows how white text looks on a background with the XYZ color 78.2202, 88.5267,

107.5725.

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

78.2202, 88.5267, 107.5725

Protanopia

85.3776, 88.2770, 102.9818

Deuteranopia

88.9185, 88.2817, 106.9613



Tritanopia

81.7647, 88.0901, 107.3014

Trichromacy



Original Color

78.2202, 88.5267, 107.5725

Protanomaly

82.5763, 88.1184, 104.7518

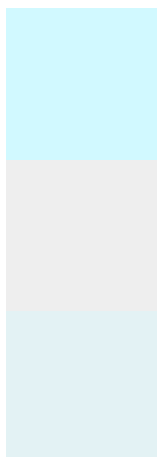
Deuteranomaly

84.7652, 88.3077, 107.1852

Tritanomaly

80.5210, 88.3472, 107.4165

Monochromacy



Original Color

78.2202, 88.5267, 107.5725

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 78.2202, 88.5267, 107.5725 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.2202, 88.5267, 107.5725 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, 249, 255) }
```


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

```
.border{ border-color:rgb(209, 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(209, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2202, 88.5267, 107.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 249, 255) }
```

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

```
.background{ background-color: rgb(209,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor