

Converting Colors

XYZ(76.3945, 87.7509,
107.5189)

Have a look what the booklet for
XYZ(76.3945, 87.7509, 107.5189)
contains.

XYZ(76.2828, 87.5279, 107.4818)	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(76.2828, 87.5279,
107.4818)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF9FF
RGB	202, 249, 255
RGB Percent	79%, 98%, 100%
CMY	0.2078, 0.0235, 0.0000
CMYK	0.21, 0.02, 0.00, 0.00
HSL	187°, 100%, 90%
HSV	187°, 21%, 100%
XYZ	76.2828, 87.5279, 107.4818
YIQ	235.6310, -29.9380, -8.0980

Conversions

Conversions Part 2

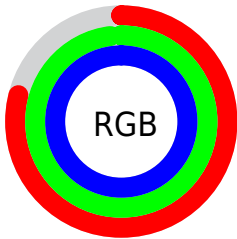
Format	Color
R_{YB}	202, 227, 255
Decimal	13302271
CIE Lab	94.96, -13.63, -7.82
CIE LCh	95, 15.713, 209.867
Yxy	87.5279, 0.2812, 0.3226
Android (android.graphics.Color)	4291492351 (0xFFCAF9FF)
YUV	235.6310, 9.5489, -29.4944
Hunter-Lab	93.5563, -18.1805, -2.6256

Details

The XYZ color **76.2828, 87.5279, 107.4818** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4564, 70.6351, 65.5885**, and the grayscale version is **79.3944, 83.5291, 90.9632**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2956, 48.4202, 60.5956** is the 20% darker color. If you saturate the color by 10%, you get **69.0608, 82.4936, 106.8907**, and if you desaturate by 10%, it is **84.6631, 93.1842, 108.1319**.

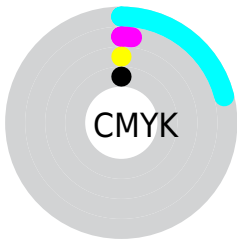
Distribution



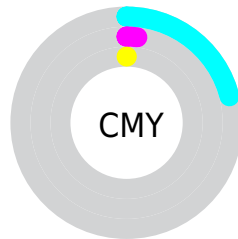
- Red (79%)
- Green (98%)
- Blue (100%)



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



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2828, 87.5279, 107.4818 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 76.2828, 87.5279, 107.4818 by changing the saturation by 10% instead.

76.2828, 87.5279,
107.4818

76.2828, 87.5279,
107.4818

471.2447,
519.9560, 605.3732

56.9623, 65.9322,
81.9118

127.1048,
143.8997, 173.5427

41.2150, 48.2173,
60.7575

159.3370,
179.4446, 214.8708

28.6755, 33.9990,
43.6002

196.6039,
220.4079, 262.2886

18.9785, 22.8929,
30.0214

239.2707,
267.1742, 316.2147

11.7587, 14.5144,
19.6027

287.7028,
320.1277, 377.0677

6.6506, 8.4793,
11.9253

342.2656,

3.2889, 4.4031,

379.6529, 445.2661

6.5709

403.3245,
446.1342, 521.2284

■ 1.3083, 1.9015,
3.1209

■ 0.1895, 0.5493,
1.1567

■ 76.2828, 87.5279,
107.4818

■ 76.2828, 87.5279,
107.4818

■ 69.0608, 82.4936,
106.8907

■ 84.6631, 93.1842,
108.1319

■ 62.9342, 78.0420,
106.3544

■ 94.2470, 99.4791,
108.8418

■ 57.8446, 74.1451,
105.8704

■ 95.0500, 100.0000,
108.9000

■ 53.7253, 70.7684,
105.4358

■ 50.5017, 67.8735,
105.0469

■ 48.0883, 65.4161,
104.6998

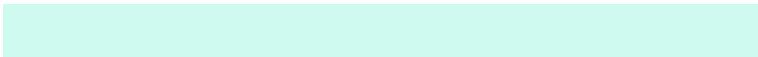
■ 46.3826, 63.3433,
104.3896

■ 45.2883, 61.6967,
104.1294

Harmonies

Analogous

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



75.2596, 87.5279, 95.2483



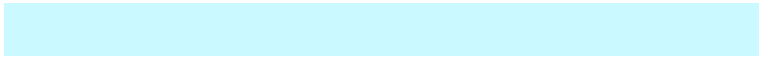
76.2828, 87.5279, 107.4818



79.1439, 87.5279, 117.0891

Triad

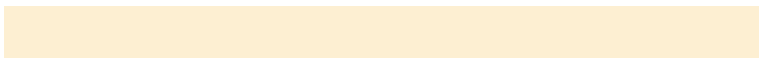
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2828, 87.5279, 107.4818



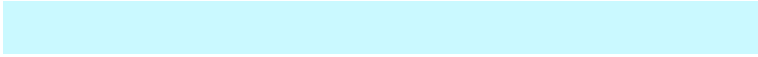
90.4874, 87.5279, 107.5845



83.2117, 87.5279, 73.6962

Complementary

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



76.2828, 87.5279, 107.4818



74.4564, 70.6351, 65.5885

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.



87.3772, 87.5279, 76.4022



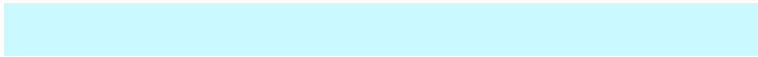
76.2828, 87.5279, 107.4818



91.6644, 87.5279, 95.3577

Square

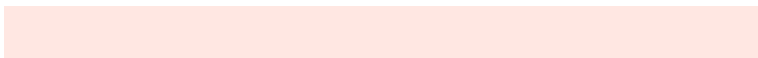
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2828, 87.5279, 107.4818



87.3430, 87.5279, 117.1518



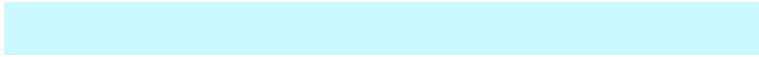
90.5076, 87.5279, 84.0808



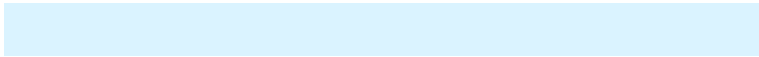
79.1759, 87.5279, 76.3551

Rectangle

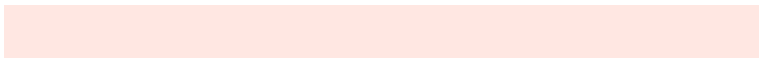
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2828, 87.5279, 107.4818



81.7583, 87.5279, 120.3388



90.5076, 87.5279, 84.0808



84.6436, 87.5279, 74.0052

Sweetspot

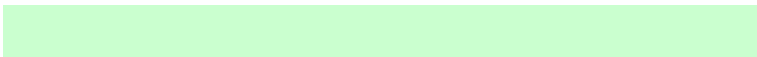
The Sweet Spot groups the original color and five complimentary colors.



76.2851, 87.5314, 107.4823



89.0938, 96.1135, 108.4638



71.4174, 88.5968, 72.5624



18.9367, 20.4847, 23.2058



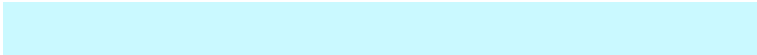
0.0000, 0.0000, 0.0000



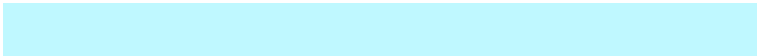
20.3446, 21.4041, 23.3091

Same Dimension

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



76.2851, 87.5314, 107.4823



73.1012, 85.3337, 107.2259



68.8495, 72.6601, 105.0038



18.3691, 20.1098, 23.1634



23.7343, 32.3782, 54.4333



2.3587, 3.2482, 5.3159

Inverse Universe

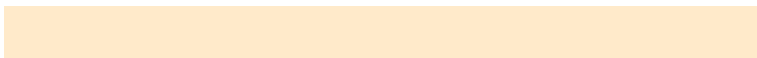
The Inverse Universe completely reimagines the original color for something new.



79.4608, 70.3422, 99.0159



76.8359, 65.3949, 97.2079



81.2672, 84.2569, 67.8588



18.6989, 18.2629, 22.2977



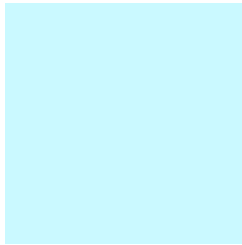
28.7682, 13.9966, 39.0253



2.8252, 1.3724, 3.9268

Previews

White Background



This preview shows how the XYZ color 76.2828, 87.5279, 107.4818 looks on a white background.

Color Contrast Check

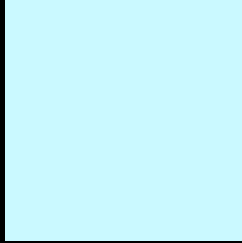
Large Text (above 18pt) WCAG AA × Fail

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 76.2828, 87.5279, 107.4818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

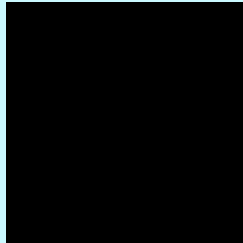
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.2828, 87.5279, 107.4818

Background



This preview shows how black text looks on a background with the XYZ color 76.2828, 87.5279, 107.4818.

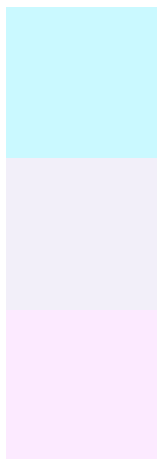


This preview shows how white text looks on a background with the XYZ color 76.2828, 87.5279,

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

76.2828, 87.5279, 107.4818

Protanopia

84.5833, 87.4498, 102.0440

Deuteranopia

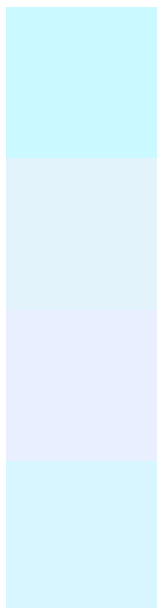
87.6177, 86.7611, 106.7364



Tritanopia

80.5249, 87.4510, 107.2434

Trichromacy



Original Color

76.2828, 87.5279, 107.4818

Protanomaly

81.1417, 87.3971, 103.8595

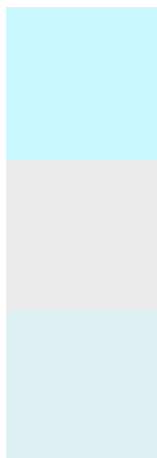
Deuteranomaly

82.8482, 86.4454, 106.9268

Tritanomaly

79.0301, 87.5786, 107.3468

Monochromacy



Original Color

76.2828, 87.5279, 107.4818

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.3734, 85.2290, 97.1141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2828, 87.5279, 107.4818 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(202, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.2828, 87.5279, 107.4818 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(202, 249, 255) }
```


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

```
.border{ border-color:rgb(202, 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(202, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2828, 87.5279, 107.4818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 249, 255) }
```

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

```
.background{ background-color: rgb(202,  
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