

Converting Colors

XYZ(77.9784, 100.0000,
109.2946)

Have a look what the booklet for
XYZ(77.9784, 100.0000, 109.2946)
contains.

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Color

**XYZ(72.0095, 88.1407,
106.9835)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B2FFFE |
| RGB | 178, 255, 254 |
| RGB Percent | 70%, 100%, 100% |
| CMY | 0.3019, 0.0000, 0.0039 |
| CMYK | 0.30, 0.00, 0.00, 0.00 |
| HSL | 179°, 100%, 85% |
| HSV | 179°, 30%, 100% |
| XYZ | 72.0095, 88.1407, 106.9835 |
| YIQ | 231.8630, -45.5710, -16.6350 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--|
| RYB | 178, 217, 255 |
| Decimal | 11730942 |
| CIELab | 95.22, -23.58, -7.07 |
| CIElCh | 95, 24.621, 196.691 |
| Yxy | 88.1407, 0.2696, 0.3299 |
| Android (android.graphics.Color) | 4289921022 (0xFFB2FFFE) |
| YUV | 231.8630, 10.9135, -47.2379 |
| Hunter-Lab | 93.8833, -27.3843, -1.8449 |

Details

The XYZ color **72.0095, 88.1407, 106.9835** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.2980, 56.3570, 50.0852**, and the grayscale version is **76.5447, 80.5310, 87.6983**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **38.2982, 48.5570, 60.1772** is the 20% darker color. If you saturate the color by 10%, you get **66.6401, 85.3788, 106.4575**, and if you desaturate by 10%, it is **78.4687, 91.4644, 107.5639**.

Distribution



- Red (70%)
- Green (100%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0095, 88.1407, 106.9835 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 72.0095, 88.1407, 106.9835 by changing the saturation by 10% instead.

72.0095, 88.1407,
106.9835

72.0095, 88.1407,
106.9835

456.7318,
521.9639, 603.7947

53.4519, 66.4396,
81.4961

121.0808,
144.7530, 172.8568

38.3926, 48.6293,
60.4169

152.3252,
180.4330, 214.0798

26.4661, 34.3255,
43.3273

188.5292,
221.5415, 261.3850

17.3072, 23.1438,
29.8087

230.0583,
268.4627, 315.1911

10.5504, 14.6997,
19.4426

277.2777,
321.5812, 375.9166

5.8304, 8.6089,
11.8105

330.5529,

2.7819, 4.4870,

381.2813, 443.9800

6.4938

390.2491,
447.9474, 519.7999

■ 1.0395, 1.9495,
3.0740

■ 0.0000, 0.5779,
1.1325

■ 72.0095, 88.1407,
106.9835

■ 72.0095, 88.1407,
106.9835

■ 66.6401, 85.3788,
106.4575

■ 78.4687, 91.4644,
107.5639

■ 62.2969, 83.1459,
105.9786

■ 86.0700, 95.3769,
108.1967

■ 58.9146, 81.4083,
105.5451

94.8666, 99.9056,
108.8860

■ 56.4194, 80.1281,
105.1536

95.0500, 100.0000,
108.9000

■ 54.7264, 79.2614,
104.8001

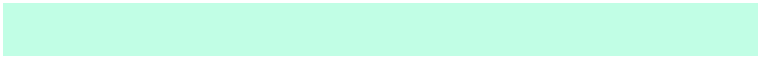
■ 53.7346, 78.7561,
104.4799

■ 53.2822, 78.5289,
104.1908

Harmonies

Analogous

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



71.8314, 88.1407, 87.7093



72.0095, 88.1407, 106.9835



75.2295, 88.1407, 125.4608

Triad

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



72.0095, 88.1407, 106.9835



93.5229, 88.1407, 123.6258



86.7818, 88.1407, 64.3042

Complementary

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



72.0095, 88.1407, 106.9835



65.2980, 56.3570, 50.0852

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.



92.9445, 88.1407, 71.5060



72.0095, 88.1407, 106.9835



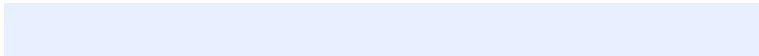
96.9743, 88.1407, 104.7343

Square

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



72.0095, 88.1407, 106.9835



87.5372, 88.1407, 135.9128



96.7572, 88.1407, 85.7400



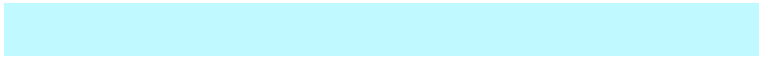
80.1224, 88.1407, 64.7374

Rectangle

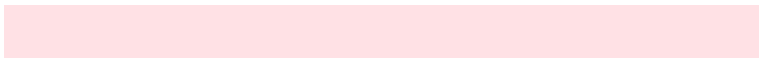
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0095, 88.1407, 106.9835



78.7707, 88.1407, 134.0802



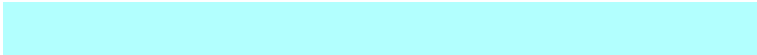
96.7572, 88.1407, 85.7400



88.9871, 88.1407, 65.8667

Sweetspot

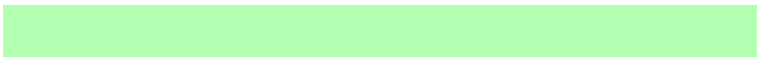
The Sweet Spot groups the original color and five complimentary colors.



72.0106, 88.1413, 106.9850



87.0571, 95.8850, 108.2761



62.4530, 84.3524, 55.1114



18.3770, 20.3911, 23.1549



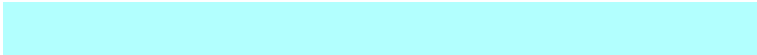
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



72.0106, 88.1413, 106.9850



68.7642, 86.4712, 106.6727



61.4266, 66.7168, 104.2478



18.5441, 20.4772, 23.1683



27.8458, 41.0349, 54.4665



2.7144, 3.9967, 5.3198

Inverse Universe

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



65.2980, 56.3570, 50.0852



61.1089, 50.2199, 41.7796



73.6324, 73.1867, 52.3670



18.0190, 17.9909, 18.7170



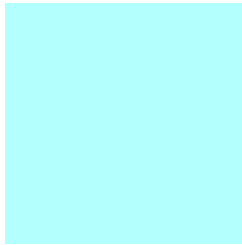
21.5624, 11.1142, 1.0800



2.1027, 1.0834, 0.1220

Previews

White Background



This preview shows how the XYZ color 72.0095, 88.1407, 106.9835 looks on a white background.

Color Contrast Check

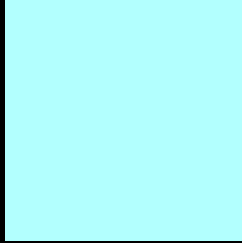
Large Text (above 18pt) WCAG AA × Fail

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 72.0095, 88.1407, 106.9835 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

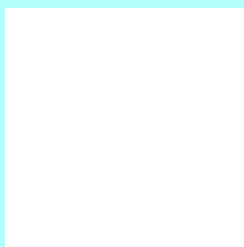
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0095, 88.1407, 106.9835

Background



This preview shows how black text looks on a background with the XYZ color 72.0095, 88.1407, 106.9835.

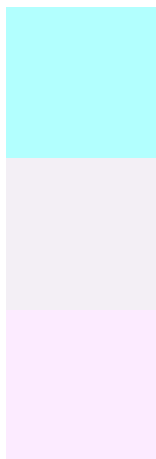


This preview shows how white text looks on a background with the XYZ color 72.0095, 88.1407,

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

72.0095, 88.1407, 106.9835

Protanopia

84.3101, 87.3803, 98.8087

Deuteranopia

87.9032, 87.3321, 106.8315



Tritanopia

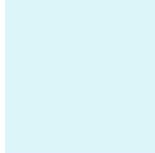
79.6210, 87.8832, 107.3744

Trichromacy



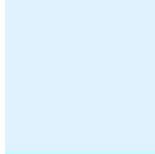
Original Color

72.0095, 88.1407, 106.9835



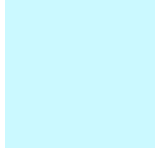
Protanomaly

78.8091, 87.1422, 101.4734



Deuteranomaly

80.8535, 86.7318, 107.0872



Tritanomaly

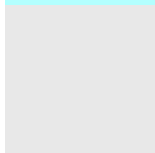
76.5543, 87.6679, 107.4945

Monochromacy



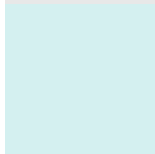
Original Color

72.0095, 88.1407, 106.9835



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.0396, 82.6085, 94.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0095, 88.1407, 106.9835 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(178, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 254)  
}
```

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(178, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 72.0095, 88.1407, 106.9835 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(178, 255, 254) }
```


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

```
.border{ border-color:rgb(178, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0095, 88.1407, 106.9835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 254) }
```

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

```
.background{ background-color: rgb(178,  
255, 254) }
```

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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