

Converting Colors

XYZ(87.7677, 100.0000,
172.7707)

Have a look what the booklet for
XYZ(87.7677, 100.0000, 172.7707)
contains.

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Color

**XYZ(72.1701, 88.2050,
107.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFFF
RGB	178, 255, 255
RGB Percent	70%, 100%, 100%
CMY	0.3019, 0.0000, 0.0000
CMYK	0.30, 0.00, 0.00, 0.00
HSL	180°, 100%, 85%
HSV	180°, 30%, 100%
XYZ	72.1701, 88.2050, 107.8292
YIQ	231.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

Format	Color
R_{YB}	178, 217, 255
Decimal	11730943
CIE Lab	95.25, -23.36, -7.55
CIE LCh	95, 24.551, 197.903
Yxy	88.2050, 0.2691, 0.3289
Android (android.graphics.Color)	4289921023 (0xFFB2FFFF)
YUV	231.9770, 11.3503, -47.3378
Hunter-Lab	93.9175, -27.1889, -2.3302

Details

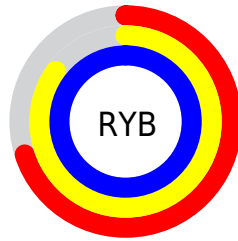
The XYZ color **72.1701, 88.2050, 107.8292** is a light color, and the websafe version is hex **99FFFF**, and the color name is **celeste**. A complement of this color would be **65.1973, 56.3167, 49.5552**, and the grayscale version is **76.6268, 80.6174, 87.7923**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **38.4132, 48.6030, 60.7828** is the 20% darker color. If you saturate the color by 10%, you get **66.8533, 85.4641, 107.5804**, and if you desaturate by 10%, it is **78.5760, 91.5073, 108.1290**.

Distribution



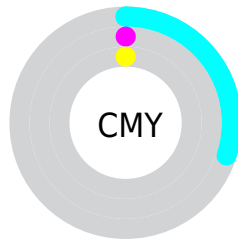
- Red (70%)
- Green (100%)
- Blue (100%)



- 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 72.1701, 88.2050, 107.8292 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 72.1701, 88.2050, 107.8292 by changing the saturation by 10% instead.


 72.1701, 88.2050,
107.8292

 72.1701, 88.2050,
107.8292

457.2819,
522.1743, 606.4724

 53.5836, 66.4929,
82.2017

 121.3078,
144.8425, 174.0208

 38.4982, 48.6726,
60.9950


152.5898,
180.5367, 215.4220

 26.5486, 34.3598,
43.7906

188.8342,
221.6603, 262.9181

 17.3693, 23.1702,
30.1700

230.4066,
268.5978, 316.9278

 10.5951, 14.7192,
19.7145

277.6722,
321.7336, 377.8695

 5.8605, 8.6226,
12.0057

330.9963,

 2.8003, 4.4958,

381.4520, 446.1618

6.6249

390.7445,
448.1374, 522.2233

■ 1.0491, 1.9546,
3.1538

■ 0.0000, 0.5809,
1.1737

■ 72.1701, 88.2050,
107.8292

■ 72.1701, 88.2050,
107.8292

■ 66.8533, 85.4641,
107.5804

■ 78.5760, 91.5073,
108.1290

■ 62.5629, 83.2523,
107.3796

■ 86.1242, 95.3986,
108.4823

■ 59.2334, 81.5359,
107.2238

94.8676, 99.9060,
108.8915

■ 56.7908, 80.2766,
107.1095

95.0500, 100.0000,
108.9000

■ 55.1504, 79.4310,
107.0327

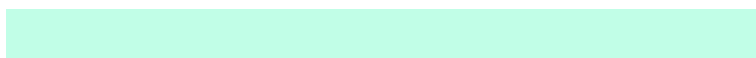
■ 54.2110, 78.9467,
106.9888

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



71.8650, 88.2050, 88.5174



72.1701, 88.2050, 107.8292



75.4966, 88.2050, 126.0860

Triad

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



72.1701, 88.2050, 107.8292



93.7587, 88.2050, 122.9451



86.5637, 88.2050, 64.3053

Complementary

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



72.1701, 88.2050, 107.8292



65.1973, 56.3167, 49.5552

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.



92.7684, 88.2050, 71.1924



72.1701, 88.2050, 107.8292



97.0681, 88.2050, 103.9777

Square

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



72.1701, 88.2050, 107.8292



87.8574, 88.2050, 135.5808



96.6963, 88.2050, 85.1435



79.9396, 88.2050, 65.0482

Rectangle

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



72.1701, 88.2050, 107.8292



79.0850, 88.2050, 134.4228



96.6963, 88.2050, 85.1435



88.7740, 88.2050, 65.7625

Sweetspot

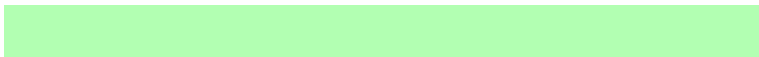
The Sweet Spot groups the original color and five complimentary colors.



72.1709, 88.2054, 107.8293



87.1049, 95.9042, 108.5282



62.1571, 84.1999, 55.0975



18.3889, 20.3959, 23.2176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

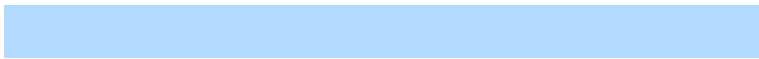
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1709, 88.2054, 107.8293



68.9552, 86.5477, 107.6788



61.0955, 66.0546, 104.1375



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



75.2111, 60.3222, 102.2870



72.4227, 54.7455, 101.3576



73.9608, 73.8437, 52.4764



18.7928, 18.3004, 22.7918



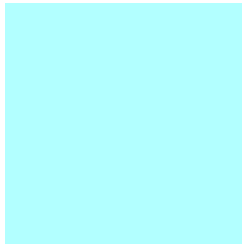
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 72.1701, 88.2050, 107.8292 looks on a white background.

Color Contrast Check

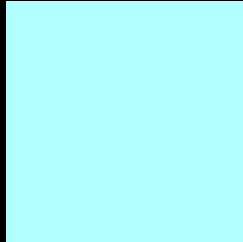
Large Text (above 18pt) WCAG AA × Fail

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 72.1701, 88.2050, 107.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

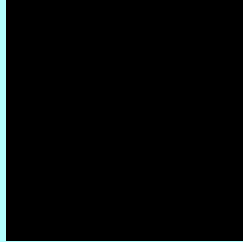
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1701, 88.2050, 107.8292

Background



This preview shows how black text looks on a background with the XYZ color 72.1701, 88.2050, 107.8292.

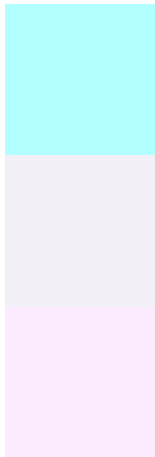


This preview shows how white text looks on a background with the XYZ color 72.1701, 88.2050,

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

72.1701, 88.2050, 107.8292

Protanopia

84.4632, 87.4415, 99.6150

Deuteranopia

87.9032, 87.3321, 106.8315



Tritanopia

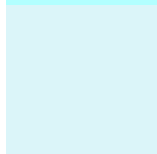
79.6210, 87.8832, 107.3744

Trichromacy



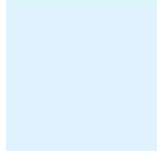
Original Color

72.1701, 88.2050, 107.8292



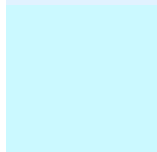
Protanomaly

78.9647, 87.2044, 102.2928



Deuteranomaly

80.8535, 86.7318, 107.0872



Tritanomaly

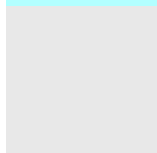
76.5543, 87.6679, 107.4945

Monochromacy



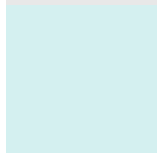
Original Color

72.1701, 88.2050, 107.8292



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 72.1701, 88.2050, 107.8292 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 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(178, 255, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 72.1701, 88.2050, 107.8292 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, 255) }
```


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

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

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, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 72.1701, 88.2050, 107.8292 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, 255) }
```

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

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