

Converting Colors

XYZ(72.3339, 88.3323,
105.8978)

Have a look what the booklet for
XYZ(72.3339, 88.3323, 105.8978)
contains.

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Color

**XYZ(72.3120, 88.3151,
106.1638)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFFD
RGB	180, 255, 253
RGB Percent	71%, 100%, 99%
CMY	0.2941, 0.0000, 0.0078
CMYK	0.29, 0.00, 0.01, 0.00
HSL	178°, 100%, 85%
HSV	178°, 29%, 100%
XYZ	72.3120, 88.3151, 106.1638
YIQ	232.3470, -44.0580, -16.5220

Conversions

Conversions Part 2

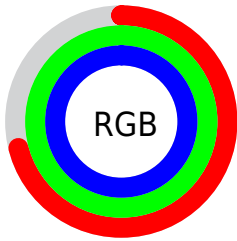
Format	Color
RYB	180, 218, 255
Decimal	11862013
CIELab	95.29, -23.26, -6.44
CIELCh	95, 24.136, 195.465
Yxy	88.3151, 0.2710, 0.3310
Android (android.graphics.Color)	4290052093 (0xFFB4FFFD)
YUV	232.3470, 10.1819, -45.9083
Hunter-Lab	93.9761, -27.1074, -1.1960

Details

The XYZ color **72.3120, 88.3151, 106.1638** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.0056, 57.2814, 51.8344**, and the grayscale version is **76.9114, 80.9168, 88.1184**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **38.4701, 48.6588, 59.5890** is the 20% darker color. If you saturate the color by 10%, you get **66.8043, 85.4883, 105.3435**, and if you desaturate by 10%, it is **78.9143, 91.7062, 107.0403**.

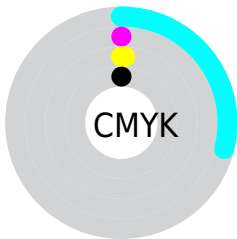
Distribution



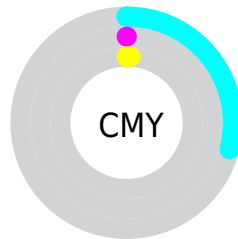
- Red (71%)
- Green (100%)
- Blue (99%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3120, 88.3151, 106.1638 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 72.3120, 88.3151, 106.1638 by changing the saturation by 10% instead.


 72.3120, 88.3151,
106.1638

 72.3120, 88.3151,
106.1638


457.7676,
522.5346, 601.1934

 53.7000, 66.5841,
80.8126


 121.5084,
144.9958, 171.7277

 38.5915, 48.7467,
59.8572


152.8235,
180.7142, 212.7774

 26.6214, 34.4186,
42.8790


189.1036,
221.8638, 259.8971

 17.4242, 23.2153,
29.4595

230.7142,
268.8291, 313.5053

 10.6346, 14.7526,
19.1801

278.0205,
321.9944, 374.0204

 5.8872, 8.6459,
11.6224

331.3879,

 2.8166, 4.5110,

381.7442, 441.8611

6.3677

391.1819,
448.4628, 517.4460

■ 1.0575, 1.9633,
2.9975

■ 0.0000, 0.5860,
1.0934

■ 72.3120, 88.3151,
106.1638

■ 72.3120, 88.3151,
106.1638

■ 66.8043, 85.4883,
105.3435

■ 78.9143, 91.7062,
107.0403

■ 62.3279, 83.1931,
104.5719

■ 86.6633, 95.6884,
107.9711

■ 58.8183, 81.3962,
103.8476

95.0500, 100.0000,
108.9000

■ 56.2021, 80.0598,
103.1672

■ 54.3956, 79.1408,
102.5266

■ 53.2993, 78.5879,
101.9212

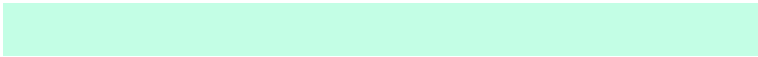
■ 52.7603, 78.3223,
101.3440

■ 52.7352, 78.3101,
101.3103

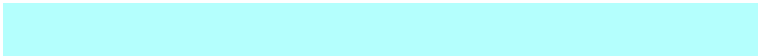
Harmonies

Analogous

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



72.2639, 88.3151, 87.3375



72.3120, 88.3151, 106.1638



75.3645, 88.3151, 124.4142

Triad

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



72.3120, 88.3151, 106.1638



93.3002, 88.3151, 123.9207



87.1611, 88.3151, 65.1383

Complementary

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



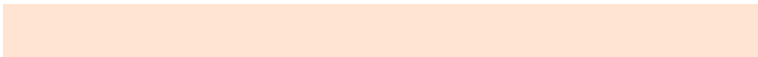
72.3120, 88.3151, 106.1638



66.0056, 57.2814, 51.8344

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.



93.1443, 88.3151, 72.5444



72.3120, 88.3151, 106.1638



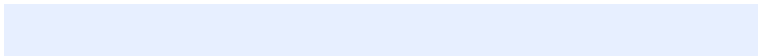
96.8125, 88.3151, 105.5577

Square

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



72.3120, 88.3151, 106.1638



87.3648, 88.3151, 135.5439



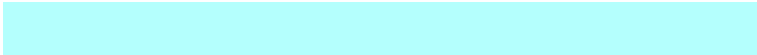
96.7540, 88.3151, 86.8055



80.6076, 88.3151, 65.2559

Rectangle

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



72.3120, 88.3151, 106.1638



78.7887, 88.3151, 133.0913



96.7540, 88.3151, 86.8055



89.3129, 88.3151, 66.7834

Sweetspot

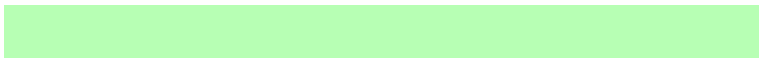
The Sweet Spot groups the original color and five complimentary colors.



72.3131, 88.3157, 106.1653



87.0066, 95.8649, 108.0105



63.4091, 84.8219, 56.2121



18.3644, 20.3861, 23.0889



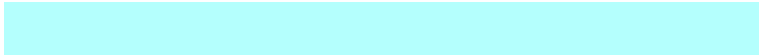
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

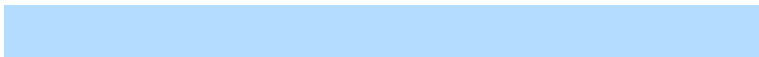
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3131, 88.3157, 106.1653



69.1030, 86.6678, 105.6996



62.4668, 68.1109, 104.4621



18.5327, 20.4726, 23.1083



27.5647, 40.9225, 52.9865



2.6902, 3.9870, 5.1926

Inverse Universe

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



66.0056, 57.2814, 51.8344



61.9106, 51.2736, 43.7421



73.7795, 73.1572, 53.4140



18.0290, 17.9949, 18.7699



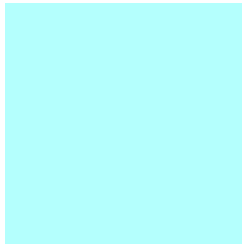
21.5767, 11.1200, 1.1555



2.1074, 1.0853, 0.1472

Previews

White Background



This preview shows how the XYZ color 72.3120, 88.3151, 106.1638 looks on a white background.

Color Contrast Check

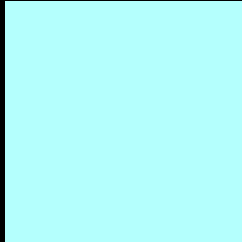
Large Text (above 18pt) WCAG AA × Fail

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 72.3120, 88.3151, 106.1638 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 72.3120, 88.3151, 106.1638

Background



This preview shows how black text looks on a background with the XYZ color 72.3120, 88.3151, 106.1638.

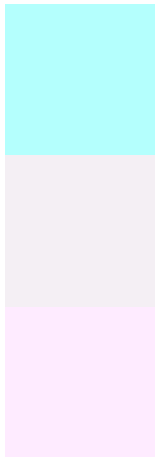


This preview shows how white text looks on a background with the XYZ color 72.3120, 88.3151,

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

72.3120, 88.3151, 106.1638

Protanopia

84.5039, 87.4978, 98.0229

Deuteranopia

88.6314, 87.7075, 106.8656



Tritanopia

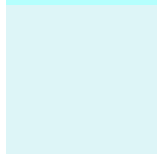
79.9192, 88.0370, 107.3884

Trichromacy



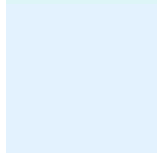
Original Color

72.3120, 88.3151, 106.1638



Protanomaly

79.2597, 87.3924, 100.6867



Deuteranomaly

81.3201, 86.9909, 106.2708



Tritanomaly

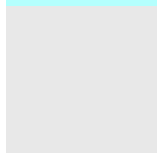
76.6669, 87.7445, 106.6615

Monochromacy



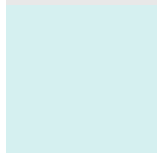
Original Color

72.3120, 88.3151, 106.1638



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3288, 82.7576, 94.4943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3120, 88.3151, 106.1638 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(180, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 253)  
}
```

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(180, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 72.3120, 88.3151, 106.1638 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(180, 255, 253) }
```


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

```
.border{ border-color:rgb(180, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3120, 88.3151, 106.1638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 253) }
```

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

```
.background{ background-color: rgb(180,  
255, 253) }
```

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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