

Converting Colors

XYZ(77.9110, 100.0000,
98.2875)

Have a look what the booklet for
XYZ(77.9110, 100.0000, 98.2875)
contains.

XYZ(72.1307, 88.4357, 96.4872)	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(72.1307, 88.4357,
96.4872)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFF1
RGB	187, 255, 241
RGB Percent	73%, 100%, 95%
CMY	0.2667, 0.0000, 0.0549
CMYK	0.27, 0.00, 0.05, 0.00
HSL	168°, 100%, 87%
HSV	168°, 27%, 100%
XYZ	72.1307, 88.4357, 96.4872
YIQ	233.0720, -36.0340, -18.7700

Conversions

Conversions Part 2

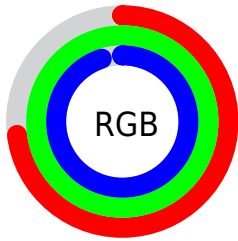
Format	Color
RYB	187, 225, 255
Decimal	12320753
CIELab	95.34, -23.86, -0.13
CIELCh	95, 23.863, 180.312
Yxy	88.4357, 0.2806, 0.3440
Android (android.graphics.Color)	4290510833 (0xFFBBFFF1)
YUV	233.0720, 3.9085, -40.4051
Hunter-Lab	94.0403, -27.6575, 4.9954

Details

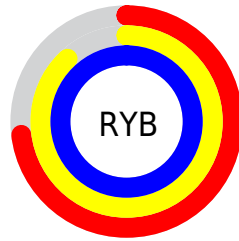
The XYZ color **72.1307, 88.4357, 96.4872** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5536, 61.0189, 63.3708**, and the grayscale version is **77.4971, 81.5330, 88.7894**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.4668, 48.7965, 53.2902** is the 20% darker color. If you saturate the color by 10%, you get **65.6638, 85.1911, 92.1510**, and if you desaturate by 10%, it is **79.7297, 92.2611, 100.9972**.

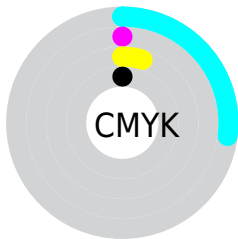
Distribution



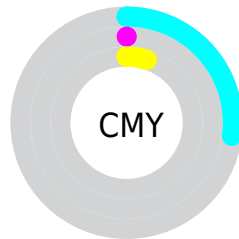
- Red (73%)
- Green (100%)
- Blue (95%)



- Red (73%)
- Yellow (88%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1307, 88.4357, 96.4872 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 72.1307, 88.4357, 96.4872 by changing the saturation by 10% instead.


 72.1307, 88.4357,
96.4872

 72.1307, 88.4357,
96.4872

457.1470,
522.9290, 570.0207

 53.5513, 66.6840,
72.7697


 121.2521,
145.1636, 158.3308

 38.4723, 48.8278,
53.2970


152.5249,
180.9085, 197.2940

 26.5283, 34.4829,
37.6506


188.7594,
222.0867, 242.1762

 17.3540, 23.2648,
25.4119

230.3212,
269.0824, 293.3959

 10.5841, 14.7892,
16.1624

277.5754,
322.2801, 351.3717

 5.8531, 8.6716,
9.4835

330.8876,

 2.7958, 4.5276,

382.0642, 416.5220

4.9568

390.6230,
448.8190, 489.2655

■ 1.0467, 1.9728,
2.1636

■ 0.0000, 0.5916,
0.6533

■ 72.1307, 88.4357,
96.4872

■ 72.1307, 88.4357,
96.4872

■ 65.6638, 85.1911,
92.1510

■ 79.7297, 92.2611,
100.9972

■ 60.2674, 82.4959,
87.9805

■ 88.5125, 96.6943,
105.6801

■ 55.8783, 80.3174,
83.9732

95.0500, 100.0000,
108.9000

■ 52.4253, 78.6189,
80.1247

■ 49.8278, 77.3589,
76.4301

■ 47.9910, 76.4886,
72.8842

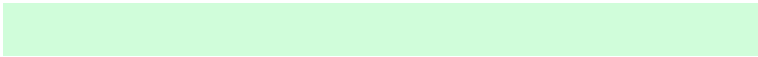
■ 46.7962, 75.9468,
69.4802

■ 46.4806, 75.8082,
68.3737

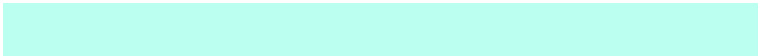
Harmonies

Analogous

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



73.6270, 88.4357, 79.5796



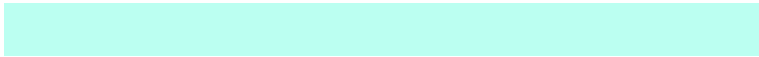
72.1307, 88.4357, 96.4872



73.6895, 88.4357, 115.5753

Triad

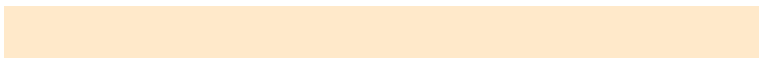
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1307, 88.4357, 96.4872



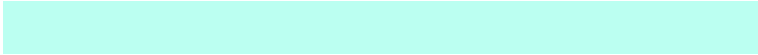
90.5437, 88.4357, 130.7358



90.4194, 88.4357, 68.3442

Complementary

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



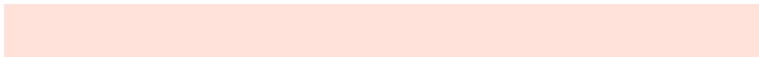
72.1307, 88.4357, 96.4872



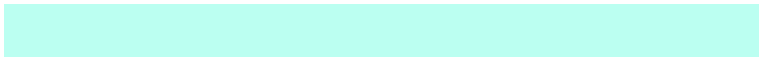
69.5536, 61.0189, 63.3708

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.



95.3507, 88.4357, 79.2815



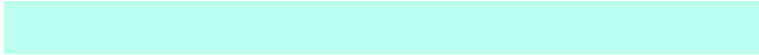
72.1307, 88.4357, 96.4872



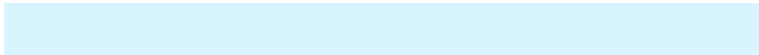
95.4250, 88.4357, 115.1931

Square

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



72.1307, 88.4357, 96.4872



84.1238, 88.4357, 136.8471



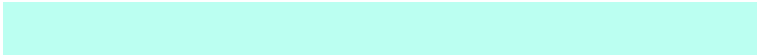
97.2270, 88.4357, 96.0960



83.9872, 88.4357, 64.6624

Rectangle

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



72.1307, 88.4357, 96.4872



76.3002, 88.4357, 126.6513



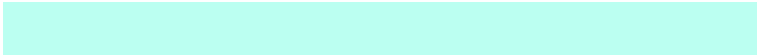
97.2270, 88.4357, 96.0960



92.3192, 88.4357, 71.2179

Sweetspot

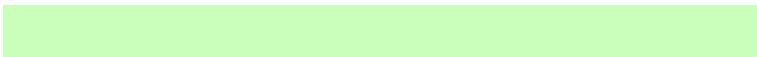
The Sweet Spot groups the original color and five complimentary colors.



72.1316, 88.4361, 96.4887



87.2701, 96.0666, 105.0450



69.0155, 87.6276, 60.2915



18.3852, 20.4136, 22.3315



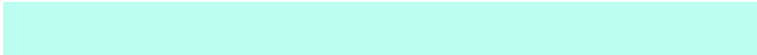
0.0000, 0.0000, 0.0000



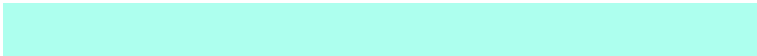
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1316, 88.4361, 96.4887



68.5444, 86.6348, 94.1538



68.4631, 77.6230, 105.9821



18.3852, 20.4136, 22.3315



24.3429, 39.6338, 36.0208



2.4087, 3.8744, 3.7098

Inverse Universe

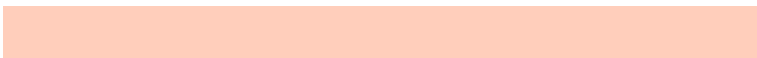
The Inverse Universe completely reimagines the original color for something new.



69.5536, 61.0189, 63.3708



65.5764, 55.0272, 55.9940



72.3459, 69.1200, 56.5436



18.1623, 18.0482, 19.4718



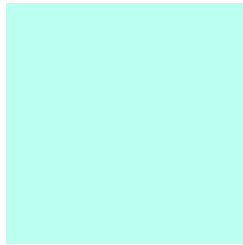
21.9212, 11.2578, 2.9695



2.1716, 1.1110, 0.4850

Previews

White Background



This preview shows how the XYZ color 72.1307, 88.4357, 96.4872 looks on a white background.

Color Contrast Check

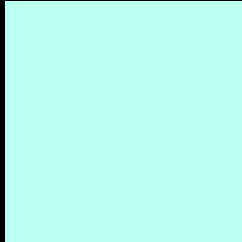
Large Text (above 18pt) WCAG AA × Fail

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 72.1307, 88.4357, 96.4872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

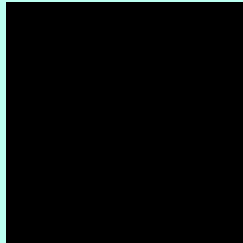
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

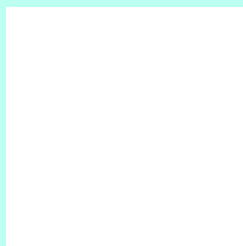
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1307, 88.4357, 96.4872

Background



This preview shows how black text looks on a background with the XYZ color 72.1307, 88.4357, 96.4872.

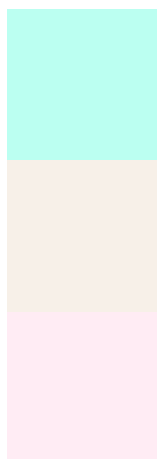


This preview shows how white text looks on a background with the XYZ color 72.1307, 88.4357,

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

72.1307, 88.4357, 96.4872

Protanopia

84.0833, 87.9205, 88.8826

Deuteranopia

87.5646, 87.7826, 97.9165



Tritanopia

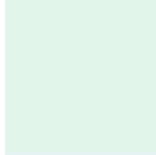
80.5212, 87.8970, 107.3296

Trichromacy



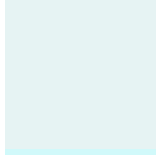
Original Color

72.1307, 88.4357, 96.4872



Protanomaly

78.6991, 87.3105, 91.3020



Deuteranomaly

80.8614, 87.3952, 97.4011



Tritanomaly

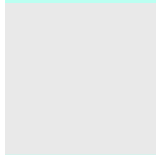
77.4255, 88.2088, 103.3877

Monochromacy



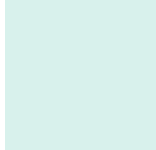
Original Color

72.1307, 88.4357, 96.4872



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.9145, 83.5657, 91.5382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1307, 88.4357, 96.4872 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(187, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 241)  
}
```

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(187, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 72.1307, 88.4357, 96.4872 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(187, 255, 241) }
```


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

```
.border{ border-color:rgb(187, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1307, 88.4357, 96.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 241) }
```

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

```
.background{ background-color: rgb(187,  
255, 241) }
```

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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