

Converting Colors

XYZ(77.8878, 100.0000,
97.5174)

Have a look what the booklet for
XYZ(77.8878, 100.0000, 97.5174)
contains.

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Color

**XYZ(72.2272, 88.5026,
95.7140)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFF0
RGB	188, 255, 240
RGB Percent	74%, 100%, 94%
CMY	0.2627, 0.0000, 0.0588
CMYK	0.26, 0.00, 0.06, 0.00
HSL	167°, 100%, 87%
HSV	167°, 26%, 100%
XYZ	72.2272, 88.5026, 95.7140
YIQ	233.2570, -35.1170, -18.8690

Conversions

Conversions Part 2

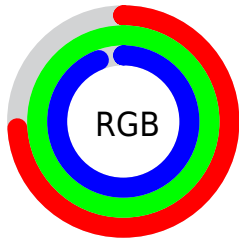
Format	Color
RYB	188, 226, 255
Decimal	12386288
CIELab	95.37, -23.78, 0.43
CIElCh	95, 23.784, 178.957
Yxy	88.5026, 0.2816, 0.3451
Android (android.graphics.Color)	4290576368 (0xFFBCFFF0)
YUV	233.2570, 3.3243, -39.6904
Hunter-Lab	94.0758, -27.5884, 5.5306

Details

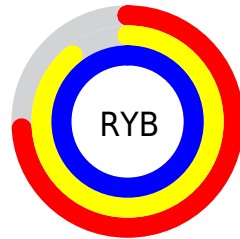
The XYZ color **72.2272, 88.5026, 95.7140** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0034, 61.5394, 64.6892**, and the grayscale version is **77.6402, 81.6835, 88.9534**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **38.5187, 48.8354, 52.7434** is the 20% darker color. If you saturate the color by 10%, you get **65.6561, 85.2115, 91.0501**, and if you desaturate by 10%, it is **79.9367, 92.3775, 100.5734**.

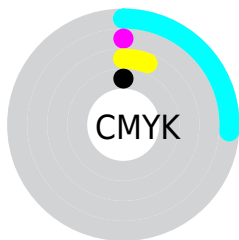
Distribution



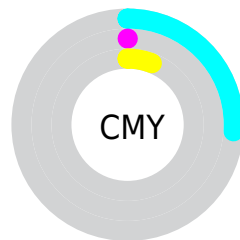
- Red (74%)
- Green (100%)
- Blue (94%)



- Red (74%)
- Yellow (89%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2272, 88.5026, 95.7140 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 72.2272, 88.5026, 95.7140 by changing the saturation by 10% instead.


 72.2272, 88.5026,
95.7140

 72.2272, 88.5026,
95.7140


457.4774,
523.1477, 567.4909

 53.6304, 66.7394,
72.1292


 121.3885,
145.2567, 157.2547

 38.5358, 48.8729,
52.7768


152.6838,
181.0163, 196.0477

 26.5779, 34.5186,
37.2381


188.9427,
222.2103, 240.7472

 17.3914, 23.2923,
25.0946

230.5304,
269.2228, 291.7717

 10.6110, 14.8095,
15.9279

277.8124,
322.4385, 349.5398

 5.8712, 8.6858,
9.3194

331.1539,

 2.8069, 4.5368,

382.2416, 414.4700

4.8504

390.9205,
449.0166, 486.9808

■ 1.0525, 1.9782,
2.1026

■ 0.0000, 0.5947,
0.6173

■ 72.2272, 88.5026,
95.7140

■ 72.2272, 88.5026,
95.7140

■ 65.6561, 85.2115,
91.0501

■ 79.9367, 92.3775,
100.5734

■ 60.1619, 82.4726,
86.5731

■ 88.8362, 96.8627,
105.6275

■ 55.6816, 80.2533,
82.2804

95.0500, 100.0000,
108.9000

■ 52.1442, 78.5171,
78.1672

■ 49.4696, 77.2226,
74.2285

■ 47.5636, 76.3215,
70.4587

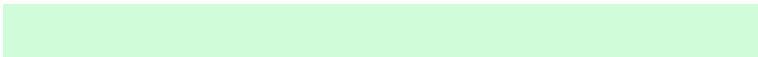
■ 46.3092, 75.7534,
66.8507

■ 45.9433, 75.5933,
65.5443

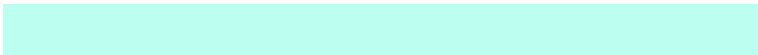
Harmonies

Analogous

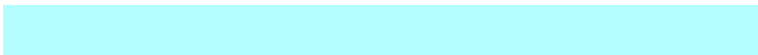
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8551, 88.5026, 79.0534



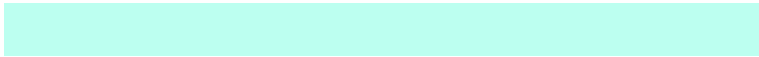
72.2272, 88.5026, 95.7140



73.6466, 88.5026, 114.7611

Triad

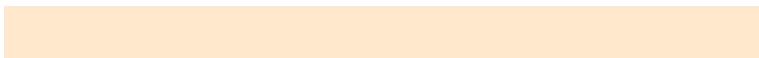
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2272, 88.5026, 95.7140



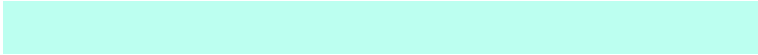
90.3188, 88.5026, 131.2135



90.7327, 88.5026, 68.8256

Complementary

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



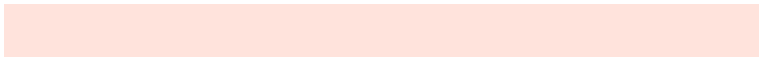
72.2272, 88.5026, 95.7140



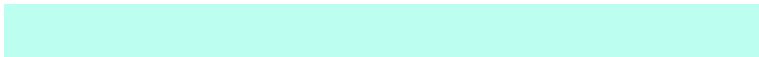
70.0034, 61.5394, 64.6892

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.



95.5400, 88.5026, 80.0468



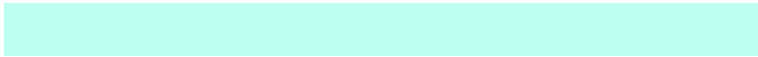
72.2272, 88.5026, 95.7140



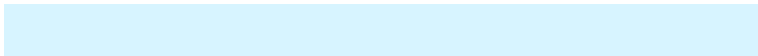
95.2925, 88.5026, 116.0341

Square

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



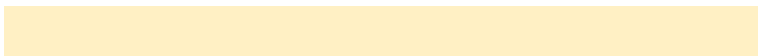
72.2272, 88.5026, 95.7140



83.8917, 88.5026, 136.7826



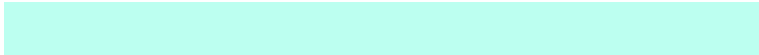
97.2494, 88.5026, 97.0175



84.3468, 88.5026, 64.8134

Rectangle

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



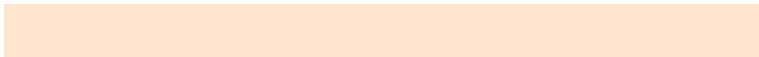
72.2272, 88.5026, 95.7140



76.1735, 88.5026, 125.9725



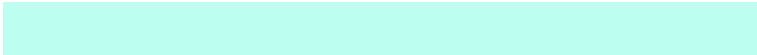
97.2494, 88.5026, 97.0175



92.5988, 88.5026, 71.8020

Sweetspot

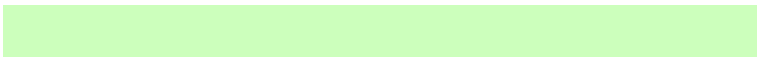
The Sweet Spot groups the original color and five complimentary colors.



72.2282, 88.5031, 95.7155



87.2124, 96.0435, 104.7407



69.6394, 87.9369, 60.8816



18.3706, 20.4078, 22.2545



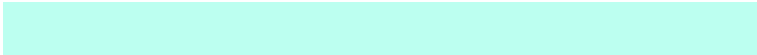
0.0000, 0.0000, 0.0000



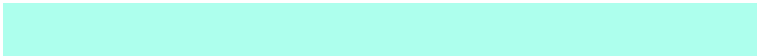
20.3446, 21.4041, 23.3091

Same Dimension

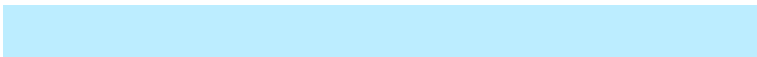
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2282, 88.5031, 95.7155



68.3292, 86.5487, 93.0205



69.1127, 78.5577, 106.1283



18.3706, 20.4078, 22.2545



24.0653, 39.5227, 34.5587



2.3839, 3.8645, 3.5793

Inverse Universe

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



70.0034, 61.5394, 64.6892



65.7380, 55.0918, 56.8450



72.3571, 68.9704, 57.0775



18.1759, 18.0537, 19.5432



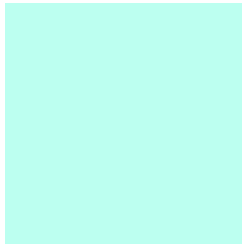
21.9814, 11.2819, 3.2867



2.1792, 1.1141, 0.5254

Previews

White Background



This preview shows how the XYZ color 72.2272, 88.5026, 95.7140 looks on a white background.

Color Contrast Check

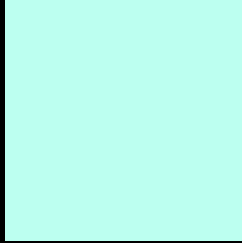
Large Text (above 18pt) WCAG AA × Fail

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 72.2272, 88.5026, 95.7140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

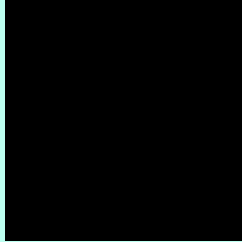
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

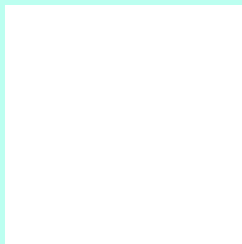
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2272, 88.5026, 95.7140

Background



This preview shows how black text looks on a background with the XYZ color 72.2272, 88.5026, 95.7140.



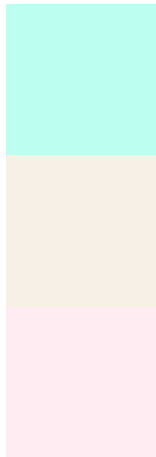
This preview shows how white text looks on a background with the XYZ color 72.2272, 88.5026,

95.7140.

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

72.2272, 88.5026, 95.7140

Protanopia

83.9417, 87.8639, 88.1365

Deuteranopia

87.4131, 87.7220, 97.1189



Tritanopia

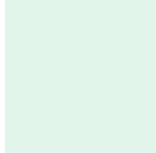
80.5212, 87.8970, 107.3296

Trichromacy



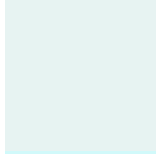
Original Color

72.2272, 88.5026, 95.7140



Protanomaly

78.8677, 87.4141, 90.5577



Deuteranomaly

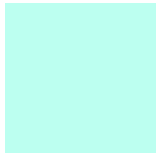
81.0326, 87.5009, 96.6229



Tritanomaly

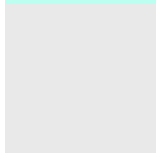
77.4255, 88.2088, 103.3877

Monochromacy



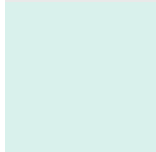
Original Color

72.2272, 88.5026, 95.7140



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.2109, 83.7184, 91.5521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2272, 88.5026, 95.7140 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(188, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 240)  
}
```

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(188, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 72.2272, 88.5026, 95.7140 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(188, 255, 240) }
```


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

```
.border{ border-color:rgb(188, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2272, 88.5026, 95.7140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 240) }
```

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

```
.background{ background-color: rgb(188,  
255, 240) }
```

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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