

# Converting Colors

XYZ(80.0867, 103.4512,  
103.3661)

Have a look what the booklet for  
XYZ(80.0867, 103.4512, 103.3661)  
contains.

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# Color

**XYZ(72.7982, 88.6745,  
101.2747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFF7
RGB	186, 255, 247
RGB Percent	73%, 100%, 97%
CMY	0.2706, 0.0000, 0.0314
CMYK	0.27, 0.00, 0.03, 0.00
HSL	173°, 100%, 86%
HSV	173°, 27%, 100%
XYZ	72.7982, 88.6745, 101.2747
YIQ	233.4570, -38.5560, -17.1160

# Conversions

## Conversions Part 2

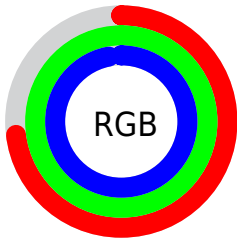
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 223, 255
Decimal	12255223
CIELab	95.44, -22.89, -3.08
CIElCh	95, 23.098, 187.672
Yxy	88.6745, 0.2771, 0.3375
Android (android.graphics.Color)	4290445303 (0xFFBAFFF7)
YUV	233.4570, 6.6767, -41.6198
Hunter-Lab	94.1671, -26.7987, 2.1519

# Details

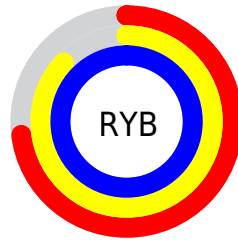
The XYZ color **72.7982, 88.6745, 101.2747** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5373, 60.2742, 59.0614**, and the grayscale version is **77.7684, 81.8184, 89.1003**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.9581, 48.9750, 56.6900** is the 20% darker color. If you saturate the color by 10%, you get **66.6941, 85.5800, 98.6279**, and if you desaturate by 10%, it is **80.0170, 92.3428, 104.0144**.

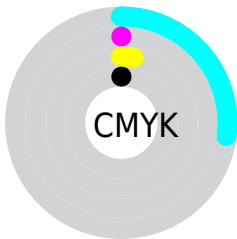
# Distribution



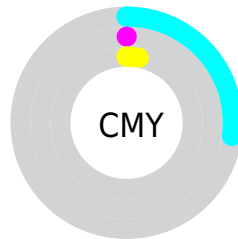
- Red (73%)
- Green (100%)
- Blue (97%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7982, 88.6745, 101.2747 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 72.7982, 88.6745, 101.2747 by changing the saturation by 10% instead.





 72.7982, 88.6745,  
101.2747

 72.7982, 88.6745,  
101.2747


459.4297,  
523.7096, 585.5533

 54.0988, 66.8818,  
76.7427


 122.1954,  
145.4958, 164.9749

 38.9116, 48.9886,  
56.5314


153.6238,  
181.2933, 204.9803

 26.8714, 34.6104,  
40.2223

190.0259,  
222.5278, 250.9805

 17.6127, 23.3629,  
27.3968

231.7671,  
269.5837, 303.3941

 10.7703, 14.8617,  
17.6364

279.2128,  
322.8454, 362.6396

 5.9788, 8.7224,  
10.5225

332.7282,

 2.8727, 4.5606,

382.6974, 429.1357

5.6367

392.6787,  
449.5240, 503.3007

■ 1.0868, 1.9918,  
2.5602

■ 0.0140, 0.6027,  
0.8718

■ 72.7982, 88.6745,  
101.2747

■ 72.7982, 88.6745,  
101.2747

■ 66.6941, 85.5800,  
98.6279

■ 80.0170, 92.3428,  
104.0144

■ 61.6428, 83.0274,  
96.0664

■ 88.4019, 96.6114,  
106.8451

■ 57.5810, 80.9841,  
93.5887

95.0500, 100.0000,  
108.9000

■ 54.4375, 79.4134,  
91.1912

■ 52.1313, 78.2735,  
88.8700

■ 50.5673, 77.5154,  
86.6203

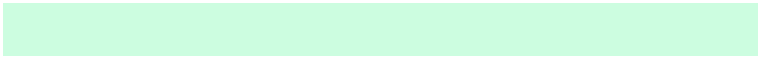
■ 49.6240, 77.0764,  
84.4364

■ 49.4107, 76.9803,  
83.8038

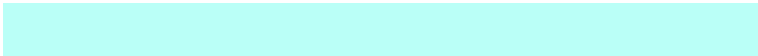
# Harmonies

## Analogous

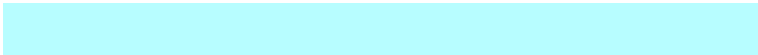
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5287, 88.6745, 83.9177



72.7982, 88.6745, 101.2747



75.0206, 88.6745, 119.4328

# Triad

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



72.7982, 88.6745, 101.2747



91.9332, 88.6745, 126.8181



88.9864, 88.6745, 67.7911

# Complementary

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



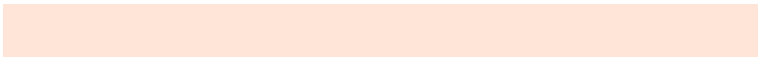
72.7982, 88.6745, 101.2747



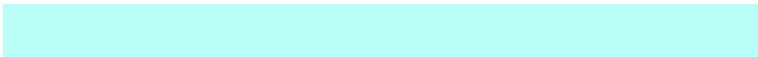
68.5373, 60.2742, 59.0614

# 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.



94.2769, 88.6745, 76.7968



72.7982, 88.6745, 101.2747



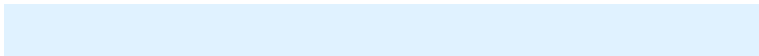
96.0367, 88.6745, 110.3935

# Square

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



72.7982, 88.6745, 101.2747



85.9159, 88.6745, 135.3343



96.9151, 88.6745, 91.9774

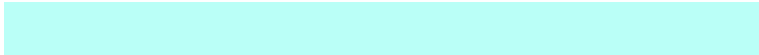


82.6698, 88.6745, 65.9910



# Rectangle

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



72.7982, 88.6745, 101.2747



77.9464, 88.6745, 129.0642



96.9151, 88.6745, 91.9774



90.9529, 88.6745, 70.0162

# Sweetspot

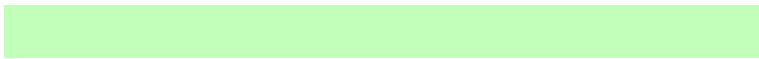
The Sweet Spot groups the original color and five complimentary colors.



72.7992, 88.6750, 101.2762



87.5606, 96.1828, 106.5743



66.8849, 86.5416, 59.6350



18.4588, 20.4431, 22.7191



0.0000, 0.0000, 0.0000

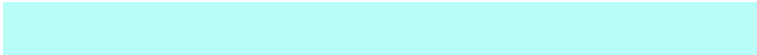


20.3446, 21.4041, 23.3091

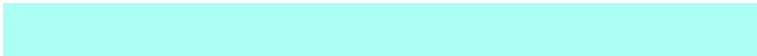


# Same Dimension

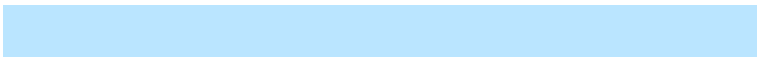
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7992, 88.6750, 101.2762



69.6463, 87.0756, 99.9562



66.1957, 73.4500, 105.2961



18.4588, 20.4431, 22.7191



25.8543, 40.2383, 43.9797



2.5420, 3.9277, 4.4119



# Inverse Universe

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



68.5373, 60.2742, 59.0614



64.7930, 54.7138, 51.8688



73.7598, 72.1185, 56.4887



18.0950, 18.0213, 19.1174



21.6953, 11.1674, 1.7797

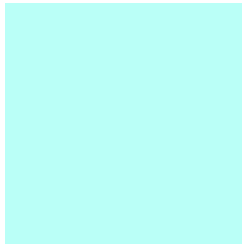


2.1386, 1.0978, 0.3114



# Previews

## White Background



This preview shows how the XYZ color 72.7982, 88.6745, 101.2747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

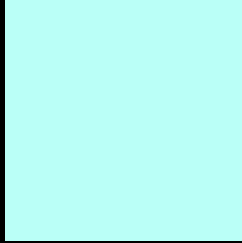
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7982, 88.6745, 101.2747 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 72.7982, 88.6745, 101.2747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7982, 88.6745, 101.2747.



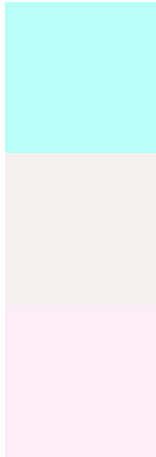
This preview shows how white text looks on a background with the XYZ color 72.7982, 88.6745,



# 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

72.7982, 88.6745, 101.2747

### Protanopia

84.5987, 88.0861, 93.4324

### Deuteranopia

88.3343, 88.0905, 101.9700



## Tritanopia

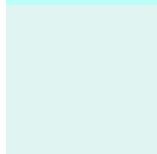
80.8246, 88.5037, 107.4308

# Trichromacy



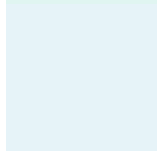
## Original Color

72.7982, 88.6745, 101.2747



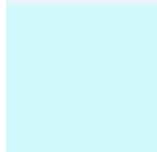
## Protanomaly

79.2701, 87.5030, 95.9309



## Deuteranomaly

81.6270, 87.7015, 101.4328



## Tritanomaly

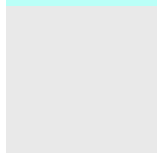
77.4588, 88.1895, 105.0352

# Monochromacy



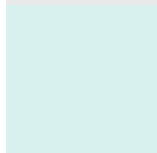
## Original Color

72.7982, 88.6745, 101.2747



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

75.2068, 83.6826, 93.0774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7982, 88.6745, 101.2747 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(186, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 247)  
}
```

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(186, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7982, 88.6745, 101.2747 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(186, 255, 247) }
```



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

```
.border{ border-color:rgb(186, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7982, 88.6745, 101.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 247) }
```

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

```
.background{ background-color: rgb(186,  
255, 247) }
```

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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