

# Converting Colors

XYZ(72.9578, 86.2057,  
110.0926)

Have a look what the booklet for  
XYZ(72.9578, 86.2057, 110.0926)  
contains.

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# **Color**

**XYZ(72.4853, 86.0303,  
107.3929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFAFF
RGB	186, 250, 255
RGB Percent	73%, 98%, 100%
CMY	0.2706, 0.0196, 0.0000
CMYK	0.27, 0.02, 0.00, 0.00
HSL	184°, 100%, 86%
HSV	184°, 27%, 100%
XYZ	72.4853, 86.0303, 107.3929
YIQ	231.4340, -39.7490, -12.0130

# Conversions

## Conversions Part 2

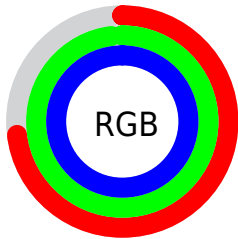
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 219, 255
Decimal	12253951
CIE <sub>Lab</sub>	94.33, -18.72, -8.87
CIE <sub>LCh</sub>	94, 20.718, 205.340
Yxy	86.0303, 0.2726, 0.3235
Android (android.graphics.Color)	4290444031 (0xFFBAFAFF)
YUV	231.4340, 11.6180, -39.8456
Hunter-Lab	92.7525, -22.8207, -3.7218

# Details

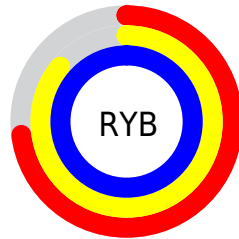
The XYZ color **72.4853, 86.0303, 107.3929** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7337, 62.0663, 54.8135**, and the grayscale version is **76.2182, 80.1874, 87.3241**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **38.6231, 47.0424, 60.4705** is the 20% darker color. If you saturate the color by 10%, you get **66.2642, 81.9779, 106.9386**, and if you desaturate by 10%, it is **79.8220, 90.6705, 107.9018**.

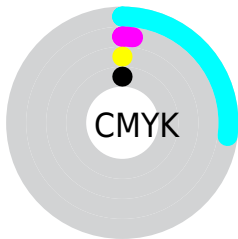
# Distribution



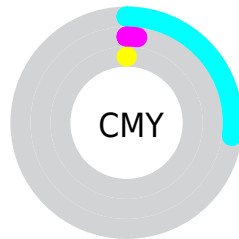
- Red (73%)
- Green (98%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4853, 86.0303, 107.3929 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 72.4853, 86.0303, 107.3929 by changing the saturation by 10% instead.





 72.4853, 86.0303,  
107.3929

 72.4853, 86.0303,  
107.3929


458.3605,  
515.0311, 605.0918

 53.8421, 64.6930,  
81.8377


 121.7533,  
141.8118, 173.4204

 38.7056, 47.2122,  
60.6967


153.1088,  
177.0248, 214.7297

 26.7105, 33.2034,  
43.5515


189.4325,  
217.6318, 262.1275

 17.4914, 22.2823,  
29.9834

231.0897,  
264.0172, 316.0322

 10.6829, 14.0645,  
19.5741

278.4457,  
316.5655, 376.8625

 5.9197, 8.1655,  
11.9048

331.8659,

 2.8365, 4.2011,

375.6610, 445.0368

6.5572

391.7157,  
441.6880, 520.9737

■ 1.0679, 1.7867,  
3.1125

■ 0.0000, 0.4788,  
1.1524

■ 72.4853, 86.0303,  
107.3929

■ 72.4853, 86.0303,  
107.3929

■ 66.2642, 81.9779,  
106.9386

■ 79.8220, 90.6705,  
107.9018

■ 61.0931, 78.4729,  
106.5346

■ 88.3219, 95.9166,  
108.4664

■ 56.9099, 75.4855,  
106.1784

95.0500, 100.0000,  
108.9000

■ 53.6434, 72.9790,  
105.8668

■ 51.2127, 70.9115,  
105.5958

■ 49.5226, 69.2341,  
105.3611

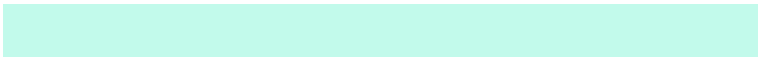
■ 48.4517, 67.8840,  
105.1570

■ 48.2007, 67.5214,  
105.1002

# Harmonies

## Analogous

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



71.5728, 86.0303, 91.2078



72.4853, 86.0303, 107.3929



75.8405, 86.0303, 121.1723

# Triad

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



72.4853, 86.0303, 107.3929



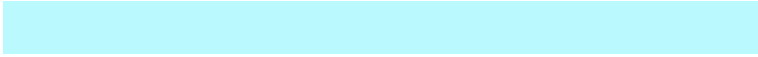
90.8791, 86.0303, 112.1800



82.6405, 86.0303, 66.3570

# Complementary

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



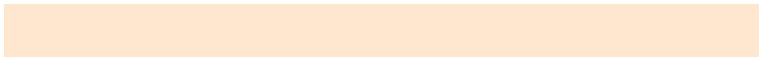
72.4853, 86.0303, 107.3929



68.7337, 62.0663, 54.8135

# 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.



87.9991, 86.0303, 70.6837



72.4853, 86.0303, 107.3929



92.8908, 86.0303, 96.1809

# Square

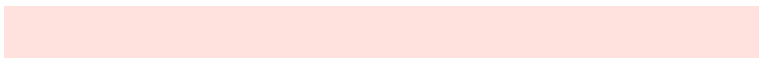
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4853, 86.0303, 107.3929



86.4293, 86.0303, 124.1484



91.8138, 86.0303, 81.1733



77.2797, 86.0303, 68.6428

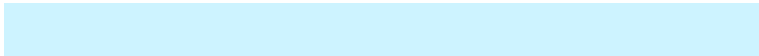


# Rectangle

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



72.4853, 86.0303, 107.3929



79.0942, 86.0303, 126.5145



91.8138, 86.0303, 81.1733



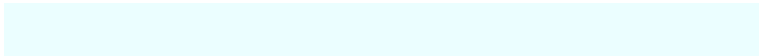
84.5039, 86.0303, 67.0710

# Sweetspot

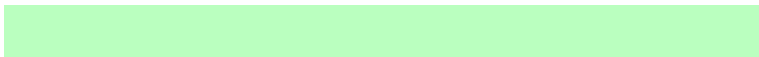
The Sweet Spot groups the original color and five complimentary colors.



72.4876, 86.0337, 107.3934



87.4697, 95.3954, 108.4108



65.3708, 85.7036, 62.1585



18.4357, 20.2430, 23.1856



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.



72.4876, 86.0337, 107.3934



69.2764, 83.9583, 107.1621



62.8312, 66.7210, 104.1746



18.4357, 20.2430, 23.1856



25.2335, 35.3766, 54.9330



2.4892, 3.5091, 5.3594



# Inverse Universe

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



76.0556, 63.2816, 98.6524



73.3737, 58.1461, 97.0541



77.0559, 78.7106, 57.5876



18.7326, 18.2763, 22.4748



29.5249, 14.2993, 43.0102

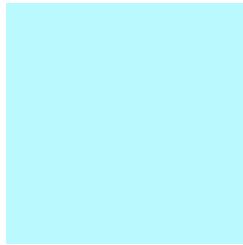


2.8910, 1.3988, 4.2736



# Previews

## White Background



This preview shows how the XYZ color 72.4853, 86.0303, 107.3929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

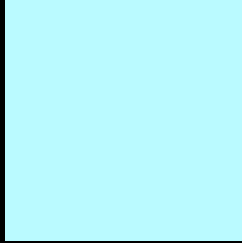
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4853, 86.0303, 107.3929 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

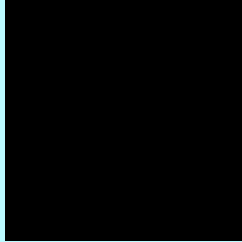
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.4853, 86.0303, 107.3929**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4853, 86.0303, 107.3929.



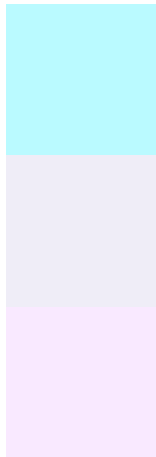
This preview shows how white text looks on a background with the XYZ color 72.4853, 86.0303,



# 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

72.4853, 86.0303, 107.3929

### Protanopia

82.6693, 85.6345, 100.1677

### Deuteranopia

86.2558, 85.6376, 106.5913



## **Tritanopia**

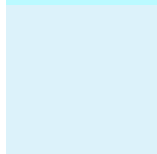
77.8413, 86.0675, 107.1178

# Trichromacy



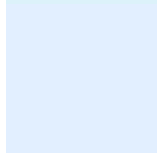
## Original Color

72.4853, 86.0303, 107.3929



## Protanomaly

78.5226, 85.6220, 102.8306



## Deuteranomaly

80.2805, 85.1218, 106.8066



## Tritanomaly

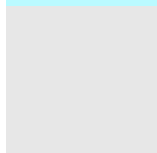
75.6344, 85.8280, 107.1879

# Monochromacy



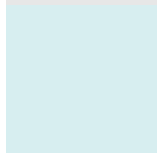
## Original Color

72.4853, 86.0303, 107.3929



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.3270, 81.8874, 94.3265

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4853, 86.0303, 107.3929 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 250, 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(186, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4853, 86.0303, 107.3929 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, 250, 255) }
```



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

```
.border{ border-color:rgb(186, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4853, 86.0303, 107.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 250, 255) }
```

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

```
.background{ background-color: rgb(186,  
250, 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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