

# Converting Colors

XYZ(72.3078, 85.0311,  
107.2094)

Have a look what the booklet for  
XYZ(72.3078, 85.0311, 107.2094)  
contains.

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# Color

**XYZ(72.3564, 85.0462,  
107.2097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCF8FF
RGB	188, 248, 255
RGB Percent	74%, 97%, 100%
CMY	0.2627, 0.0274, 0.0000
CMYK	0.26, 0.03, 0.00, 0.00
HSL	186°, 100%, 87%
HSV	186°, 26%, 100%
XYZ	72.3564, 85.0462, 107.2097
YIQ	230.8580, -38.0070, -10.5430

# Conversions

## Conversions Part 2

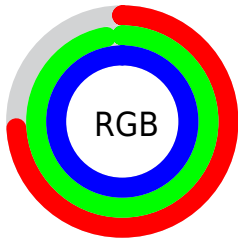
Format	Color
<a href="#">RYB</a>	<a href="#">188, 220, 255</a>
Decimal	<a href="#">12384511</a>
CIELab	<a href="#">93.90, -17.18, -9.48</a>
CIElCh	<a href="#">94, 19.619, 208.902</a>
Yxy	<a href="#">85.0462, 0.2734, 0.3214</a>
Android (android.graphics.Color)	<a href="#">4290574591</a> ( <a href="#">0xFFBCF8FF</a> )
YUV	<a href="#">230.8580, 11.9020, -37.5865</a>
Hunter-Lab	<a href="#">92.2205, -21.3344, -4.3724</a>

# Details

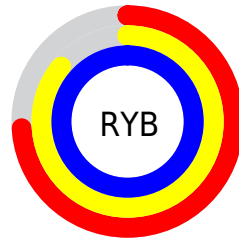
The XYZ color **72.3564, 85.0462, 107.2097** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8321, 63.9203, 56.2359**, and the grayscale version is **75.7865, 79.7333, 86.8295**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **38.7155, 46.7630, 60.4117** is the 20% darker color. If you saturate the color by 10%, you get **65.8088, 80.4664, 106.6708**, and if you desaturate by 10%, it is **80.0300, 90.2281, 107.8055**.

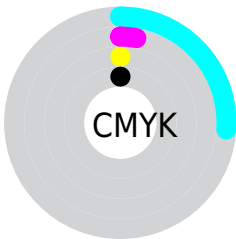
# Distribution



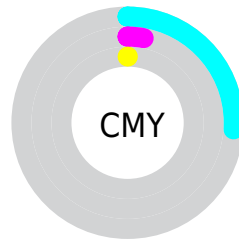
- Red (74%)
- Green (97%)
- Blue (100%)



- Red (74%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3564, 85.0462, 107.2097 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 72.3564, 85.0462, 107.2097 by changing the saturation by 10% instead.





 72.3564, 85.0462,  
107.2097

 72.3564, 85.0462,  
107.2097


457.9196,  
511.7809, 604.5115

 53.7364, 63.8796,  
81.6848

 121.5712,  
140.4377, 173.1682

 38.6208, 46.5531,  
60.5715

152.8966,  
175.4314, 214.4389

 26.6442, 32.6825,  
43.4511


189.1879,  
215.8029, 261.7953

 17.4414, 21.8834,  
29.9052

230.8104,  
261.9365, 315.6559

 10.6470, 13.7712,  
19.5152

278.1295,  
314.2167, 376.4393

 5.8955, 7.9617,  
11.8626

331.5104,

 2.8217, 4.0705,

373.0280, 444.5640

6.5288

391.3187,  
438.7546, 520.4486

■ 1.0602, 1.7131,  
3.0952

■ 0.0000, 0.4321,  
1.1435

■ 72.3564, 85.0462,  
107.2097

■ 72.3564, 85.0462,  
107.2097

■ 65.8088, 80.4664,  
106.6708

■ 80.0300, 90.2281,  
107.8055

■ 60.3219, 76.4484,  
106.1845

■ 88.8771, 96.0302,  
108.4591

■ 55.8343, 72.9627,  
105.7482

95.0500, 100.0000,  
108.9000

■ 52.2751, 69.9728,  
105.3586

■ 49.5644, 67.4372,  
105.0121

■ 47.6083, 65.3076,  
104.7041

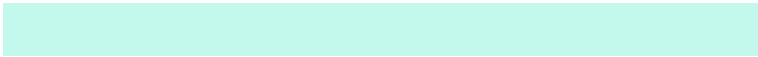
■ 46.2901, 63.5237,  
104.4293

■ 45.8968, 62.9137,  
104.3323

# Harmonies

## Analogous

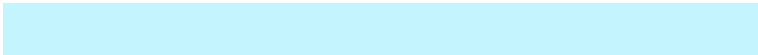
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2025, 85.0462, 92.0507



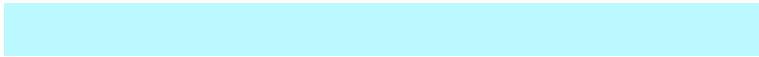
72.3564, 85.0462, 107.2097



75.7566, 85.0462, 119.4785

# Triad

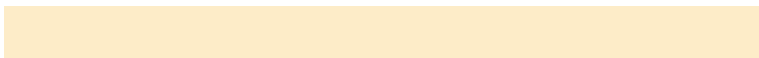
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3564, 85.0462, 107.2097



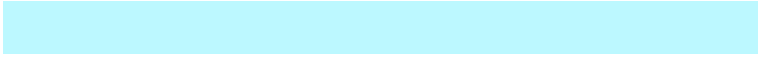
89.7424, 85.0462, 108.2659



81.0265, 85.0462, 66.7172

# Complementary

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



72.3564, 85.0462, 107.2097



69.8321, 63.9203, 56.2359

# 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.



86.1330, 85.0462, 70.0904



72.3564, 85.0462, 107.2097



91.2968, 85.0462, 93.1532

# Square

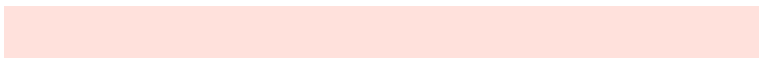
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3564, 85.0462, 107.2097



85.7857, 85.0462, 120.1330



89.9489, 85.0462, 79.3833



76.0763, 85.0462, 69.6336

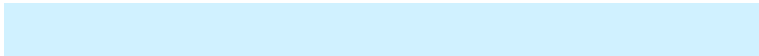


# Rectangle

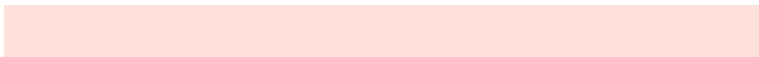
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3564, 85.0462, 107.2097



78.9160, 85.0462, 123.7911



89.9489, 85.0462, 79.3833



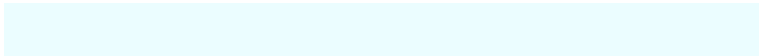
82.7826, 85.0462, 67.1461

# Sweetspot

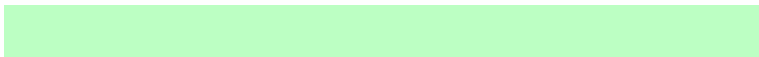
The Sweet Spot groups the original color and five complimentary colors.



72.3586, 85.0495, 107.2102



87.2633, 94.9827, 108.3420



66.3165, 86.1384, 64.5848



18.3833, 20.1382, 23.1681



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.



72.3586, 85.0495, 107.2102



68.4742, 82.3539, 106.8947



63.0397, 66.4117, 104.1039



18.3833, 20.1382, 23.1681



24.0477, 33.0049, 54.5377



2.3861, 3.3029, 5.3250



# Inverse Universe

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



76.1679, 64.0053, 97.1507



72.9688, 57.9841, 94.9219



78.1162, 80.4885, 58.9973



18.7061, 18.2658, 22.3355



28.9264, 14.0598, 39.8582

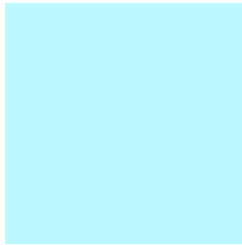


2.8390, 1.3780, 3.9995



# Previews

## White Background



This preview shows how the XYZ color 72.3564, 85.0462, 107.2097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

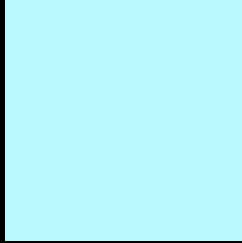
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3564, 85.0462, 107.2097 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 72.3564, 85.0462, 107.2097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3564, 85.0462, 107.2097.



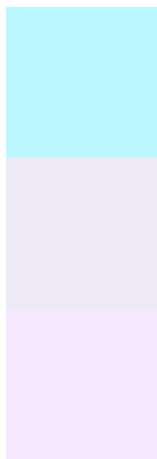
This preview shows how white text looks on a background with the XYZ color 72.3564, 85.0462,



# 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

72.3564, 85.0462, 107.2097

### Protanopia

81.7567, 84.3092, 99.9599

### Deuteranopia

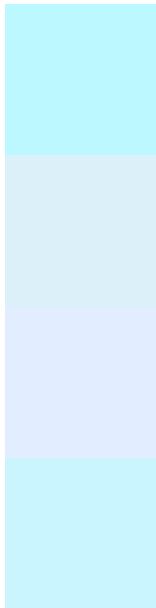
84.9837, 84.1460, 106.3704



## **Tritanopia**

76.6789, 85.0228, 106.9774

# Trichromacy



## Original Color

72.3564, 85.0462, 107.2097

## Protanomaly

77.9306, 84.4379, 102.6333

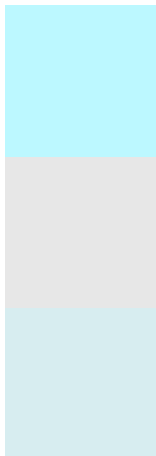
## Deuteranomaly

79.6982, 83.9571, 106.6125

## Tritanomaly

75.0595, 85.0814, 107.0740

# Monochromacy



## Original Color

72.3564, 85.0462, 107.2097

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.0367, 81.3067, 94.2297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3564, 85.0462, 107.2097 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 248, 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(188, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3564, 85.0462, 107.2097 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, 248, 255) }
```



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

```
.border{ border-color:rgb(188, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3564, 85.0462, 107.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 248, 255) }
```

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

```
.background{ background-color: rgb(188,  
248, 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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