

# Converting Colors

XYZ(82.0322, 86.6325,  
157.7337)

Have a look what the booklet for  
XYZ(82.0322, 86.6325, 157.7337)  
contains.

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# Color

**XYZ(72.3487, 82.7905,  
106.7747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F3FF
RGB	194, 243, 255
RGB Percent	76%, 95%, 100%
CMY	0.2392, 0.0470, 0.0000
CMYK	0.24, 0.05, 0.00, 0.00
HSL	192°, 100%, 88%
HSV	192°, 24%, 100%
XYZ	72.3487, 82.7905, 106.7747
YIQ	229.7170, -33.0560, -6.6560

# Conversions

## Conversions Part 2

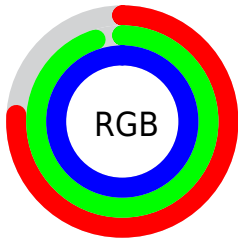
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 221, 255
Decimal	12776447
CIELab	92.92, -12.97, -10.90
CIELCh	93, 16.941, 220.060
Yxy	82.7905, 0.2762, 0.3161
Android (android.graphics.Color)	4290966527 (0xFFC2F3FF)
YUV	229.7170, 12.4645, -31.3238
Hunter-Lab	90.9893, -17.2998, -5.8835

# Details

The XYZ color **72.3487, 82.7905, 106.7747** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0488, 69.2969, 60.5662**, and the grayscale version is **74.9348, 78.8372, 85.8538**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **38.6108, 45.1068, 60.0976** is the 20% darker color. If you saturate the color by 10%, you get **64.8774, 76.7435, 106.0013**, and if you desaturate by 10%, it is **80.9883, 89.5049, 107.6154**.

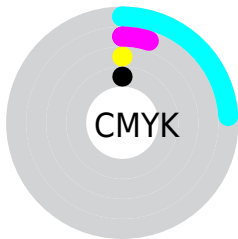
# Distribution



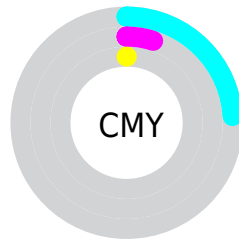
- Red (76%)
- Green (95%)
- Blue (100%)



- Red (76%)
- Yellow (87%)
- Blue (100%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3487, 82.7905, 106.7747 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 72.3487, 82.7905, 106.7747 by changing the saturation by 10% instead.



72.3487, 82.7905,  
106.7747

72.3487, 82.7905,  
106.7747

457.8932,  
504.2880, 603.1326

53.7301, 62.0173,  
81.3220

121.5603,  
137.2820, 172.5692

38.6157, 45.0467,  
60.2743

152.8839,  
171.7691, 213.7481

26.6403, 31.4942,  
43.2130

189.1733,  
211.5964, 261.0062

17.4384, 20.9755,  
29.7196

230.7937,  
257.1481, 314.7620

10.6448, 13.1061,  
19.3756

278.1106,  
308.8088, 375.4339

5.8941, 7.5016,  
11.7625

331.4892,

2.8208, 3.7777,

366.9627, 443.4407

6.4616

391.2950,  
431.9943, 519.2007

■ 1.0597, 1.5500,  
3.0544

■ 0.0000, 0.3236,  
1.1225

■ 72.3487, 82.7905,  
106.7747

■ 72.3487, 82.7905,  
106.7747

■ 64.8774, 76.7435,  
106.0013

■ 80.9883, 89.5049,  
107.6154

■ 58.5102, 71.3238,  
105.2908

■ 90.8432, 96.9051,  
108.5243

■ 53.1865, 66.5021,  
104.6407

■ 95.0500, 100.0000,  
108.9000

■ 48.8372, 62.2421,  
104.0477

■ 45.3845, 58.5031,  
103.5080

■ 42.7379, 55.2382,  
103.0172

■ 40.7873, 52.3899,  
102.5703

■ 39.8463, 50.8126,  
102.3154

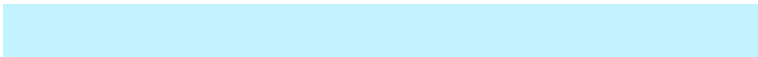
# Harmonies

## Analogous

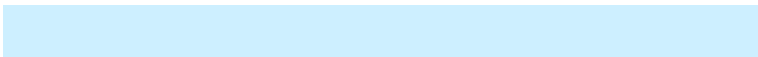
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5971, 82.7905, 94.4737



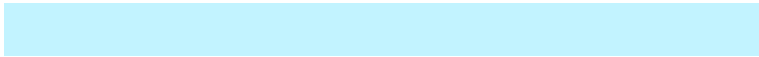
72.3487, 82.7905, 106.7747



75.8205, 82.7905, 115.0775

# Triad

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



72.3487, 82.7905, 106.7747



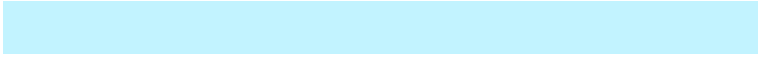
86.9721, 82.7905, 98.7231



77.2113, 82.7905, 68.1947

# Complementary

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



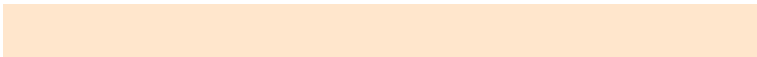
72.3487, 82.7905, 106.7747



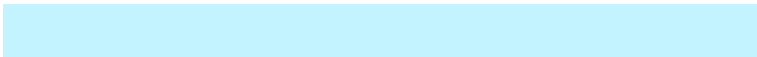
73.0488, 69.2969, 60.5662

# 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.



81.6308, 82.7905, 69.1015



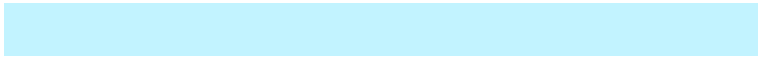
72.3487, 82.7905, 106.7747



87.3786, 82.7905, 85.9501

# Square

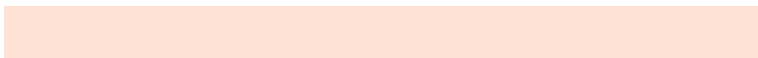
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3487, 82.7905, 106.7747



84.3004, 82.7905, 110.1352



85.3912, 82.7905, 75.3380

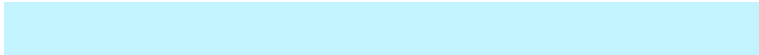


73.3340, 82.7905, 72.7327

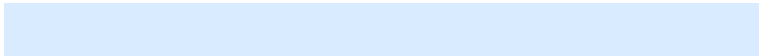


# Rectangle

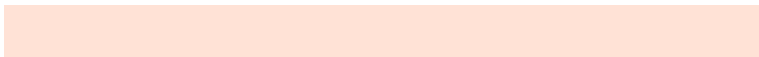
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



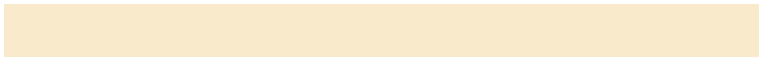
72.3487, 82.7905, 106.7747



78.6988, 82.7905, 116.8071



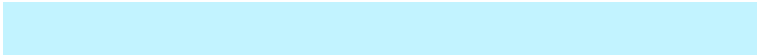
85.3912, 82.7905, 75.3380



78.6810, 82.7905, 67.8838

# Sweetspot

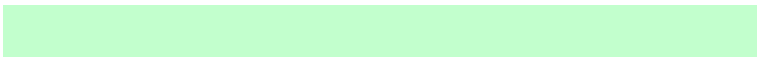
The Sweet Spot groups the original color and five complimentary colors.



72.3509, 82.7938, 106.7752



87.6755, 94.5511, 108.2369



69.0508, 87.4065, 71.1070



18.6363, 20.1408, 23.1553



0.0000, 0.0000, 0.0000

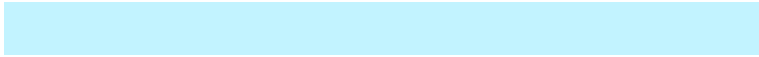


20.3446, 21.4041, 23.3091

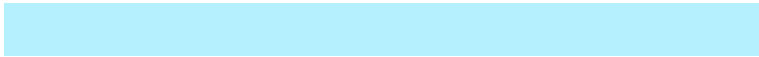


# Same Dimension

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



72.3509, 82.7938, 106.7752



68.4127, 79.6397, 106.3740



64.1734, 66.4387, 104.0494



18.2335, 19.8387, 23.1182



20.9278, 26.7652, 53.4978



2.1115, 2.7537, 5.2335



# Inverse Universe

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



76.7108, 66.3162, 93.5550



73.5703, 60.6466, 90.6233



80.8826, 84.9644, 63.1775



18.6305, 18.2355, 21.9375



27.3516, 13.4299, 31.5656

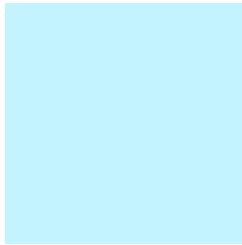


2.7004, 1.3225, 3.2696



# Previews

## White Background



This preview shows how the XYZ color 72.3487, 82.7905, 106.7747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

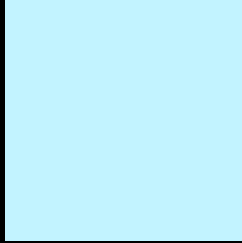
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3487, 82.7905, 106.7747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

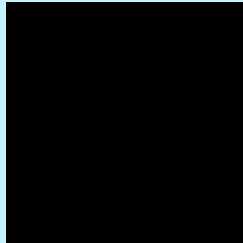
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.3487, 82.7905, 106.7747**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3487, 82.7905, 106.7747.



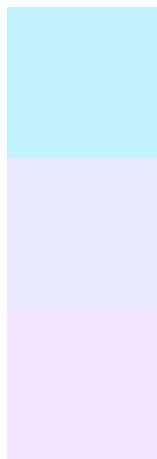
This preview shows how white text looks on a background with the XYZ color 72.3487, 82.7905,



# 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

72.3487, 82.7905, 106.7747

### Protanopia

80.1695, 82.6098, 101.3424

### Deuteranopia

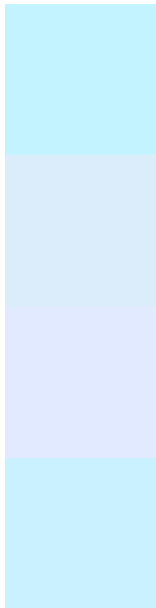
83.3775, 82.4917, 106.1358



## **Tritanopia**

74.6637, 82.6620, 106.6279

# Trichromacy



## Original Color

72.3487, 82.7905, 106.7747

## Protanomaly

76.9102, 82.5935, 103.1553

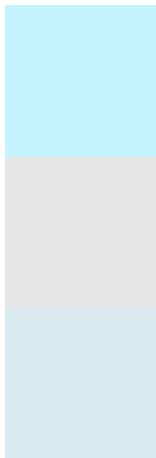
## Deuteranomaly

78.8368, 82.2344, 106.3254

## Tritanomaly

73.8624, 82.6872, 106.6750

# Monochromacy



## Original Color

72.3487, 82.7905, 106.7747

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.9036, 80.4004, 93.2850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3487, 82.7905, 106.7747 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(194, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 243, 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(194, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3487, 82.7905, 106.7747 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(194, 243, 255) }
```



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

```
.border{ border-color:rgb(194, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3487, 82.7905, 106.7747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 243, 255) }
```

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

```
.background{ background-color: rgb(194,  
243, 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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