

# Converting Colors

XYZ(71.3499, 88.1266, 92.2299)

Have a look what the booklet for  
XYZ(71.3499, 88.1266, 92.2299)  
contains.

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# Color

**XYZ(71.3938, 88.1409,  
92.6069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFEC
RGB	187, 255, 236
RGB Percent	73%, 100%, 93%
CMY	0.2667, 0.0000, 0.0745
CMYK	0.27, 0.00, 0.07, 0.00
HSL	163°, 100%, 87%
HSV	163°, 27%, 100%
XYZ	71.3938, 88.1409, 92.6069
YIQ	232.5020, -34.4290, -20.3250

# Conversions

## Conversions Part 2

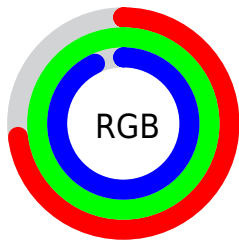
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 227, 255
Decimal	12320748
CIELab	95.22, -24.89, 2.27
CIELCh	95, 24.990, 174.795
Yxy	88.1409, 0.2831, 0.3496
Android (android.graphics.Color)	4290510828 (0xFFBBFFEC)
YUV	232.5020, 1.7245, -39.9053
Hunter-Lab	93.8834, -28.5553, 7.2345

# Details

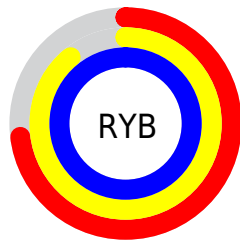
The XYZ color **71.3938, 88.1409, 92.6069** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.1515, 61.2580, 66.5195**, and the grayscale version is **77.0837, 81.0980, 88.3157**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **37.9480, 48.5890, 50.5586** is the 20% darker color. If you saturate the color by 10%, you get **64.6851, 84.7997, 86.9976**, and if you desaturate by 10%, it is **79.2532, 92.0705, 98.4884**.

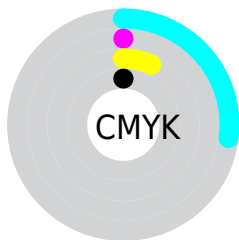
# Distribution



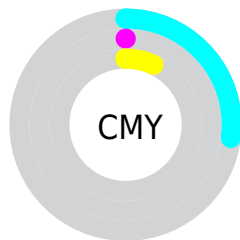
- Red (73%)
- Green (100%)
- Blue (93%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3938, 88.1409, 92.6069 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 71.3938, 88.1409, 92.6069 by changing the saturation by 10% instead.





 71.3938, 88.1409,  
92.6069

 71.3938, 88.1409,  
92.6069


454.6193,  
521.9645, 557.2624

 52.9473, 66.4398,  
69.5590


 120.2098,  
144.7533, 152.9213

 37.9880, 48.6295,  
50.6925


151.3099,  
180.4334, 191.0248

 26.1506, 34.3257,  
35.5889


187.3587,  
221.5418, 234.9839

 17.0696, 23.1439,  
23.8297

228.7215,  
268.4632, 285.2171

 10.3797, 14.6998,  
14.9963

275.7636,  
321.5817, 342.1431

 5.7156, 8.6090,  
8.6702

328.8503,

 2.7120, 4.4870,

381.2818, 406.1802

4.4328

388.3471,  
447.9480, 477.7472

■ 1.0033, 1.9496,  
1.8657

■ 0.0000, 0.5779,  
0.4708

■ 71.3938, 88.1409,  
92.6069

■ 71.3938, 88.1409,  
92.6069

■ 64.6851, 84.7997,  
86.9976

■ 79.2532, 92.0705,  
98.4884

■ 59.0654, 82.0151,  
81.6510

■ 88.3154, 96.6155,  
104.6429

■ 54.4711, 79.7545,  
76.5630

95.0500, 100.0000,  
108.9000

■ 50.8307, 77.9811,  
71.7276

■ 48.0633, 76.6531,  
67.1384

■ 46.0738, 75.7217,  
62.7884

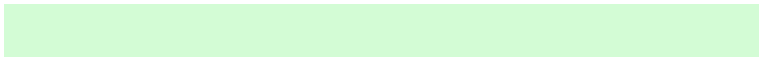
■ 44.7432, 75.1256,  
58.6693

■ 44.3860, 74.9704,  
57.3439

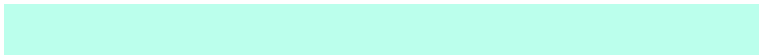
# Harmonies

## Analogous

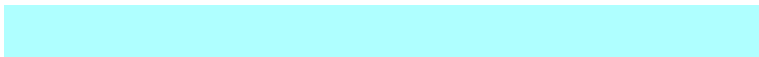
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5199, 88.1409, 75.9243



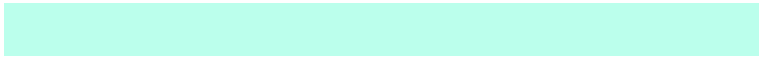
71.3938, 88.1409, 92.6069



72.4359, 88.1409, 112.5814

# Triad

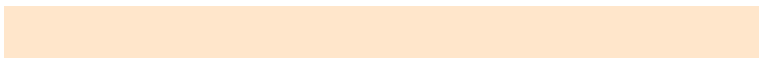
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3938, 88.1409, 92.6069



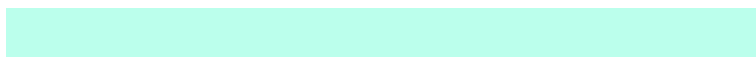
89.3906, 88.1409, 134.2206



91.5573, 88.1409, 68.4612

# Complementary

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



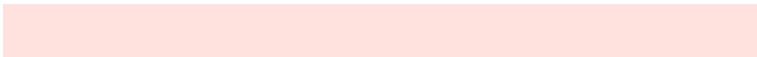
71.3938, 88.1409, 92.6069



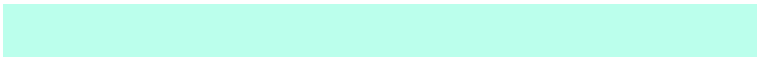
70.1515, 61.2580, 66.5195

# 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.



96.2403, 88.1409, 81.0795



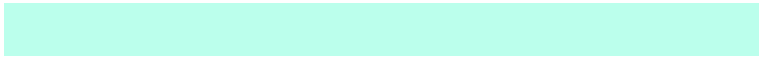
71.3938, 88.1409, 92.6069



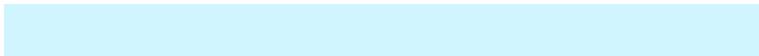
94.9426, 88.1409, 119.2668

# Square

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



71.3938, 88.1409, 92.6069



82.5924, 88.1409, 138.3955



97.5114, 88.1409, 99.4145

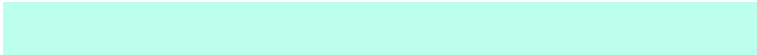


84.9694, 88.1409, 63.2443



# Rectangle

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



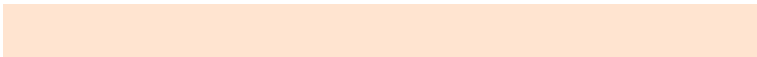
71.3938, 88.1409, 92.6069



74.8180, 88.1409, 124.9082



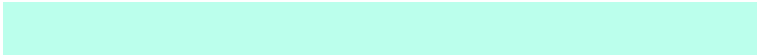
97.5114, 88.1409, 99.4145



93.4203, 88.1409, 71.8874

# Sweetspot

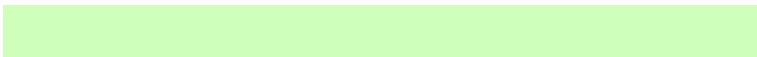
The Sweet Spot groups the original color and five complimentary colors.



71.3947, 88.1413, 92.6084



87.0348, 95.9725, 103.8057



70.2581, 88.2682, 60.3496



18.3257, 20.3898, 22.0179



0.0000, 0.0000, 0.0000

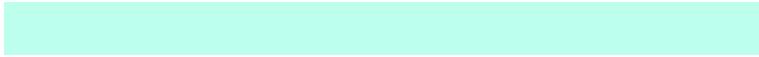


20.3446, 21.4041, 23.3091



# Same Dimension

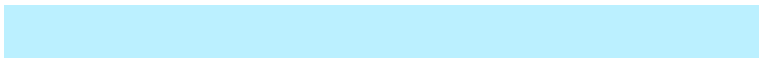
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3947, 88.1413, 92.6084



67.6763, 86.2876, 89.5822



69.7829, 80.2627, 106.4220



18.3257, 20.3898, 22.0179



23.2595, 39.2004, 30.3154



2.3113, 3.8354, 3.1969



# Inverse Universe

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



70.1515, 61.2580, 66.5195



66.2468, 55.2954, 59.5246



71.2684, 66.9649, 56.1844



18.2179, 18.0705, 19.7648



22.2014, 11.3699, 4.4452

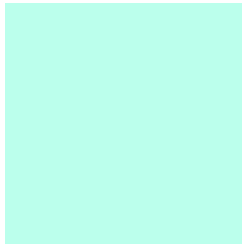


2.2058, 1.1247, 0.6650



# Previews

## White Background



This preview shows how the XYZ color 71.3938, 88.1409, 92.6069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

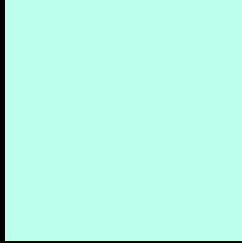
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3938, 88.1409, 92.6069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

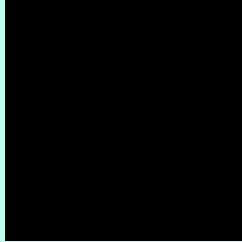
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.3938, 88.1409, 92.6069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3938, 88.1409, 92.6069.



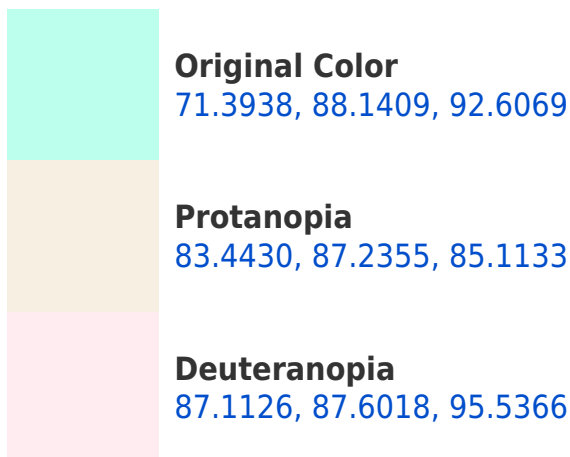
This preview shows how white text looks on a background with the XYZ color 71.3938, 88.1409,



# 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





## Tritanopia

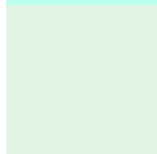
80.2176, 87.7405, 107.3154

# Trichromacy



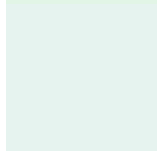
## Original Color

71.3938, 88.1409, 92.6069



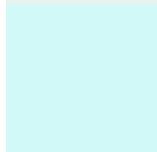
## Protanomaly

78.2994, 87.1867, 87.5648



## Deuteranomaly

80.2637, 87.1562, 94.2538



## Tritanomaly

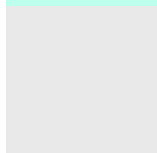
76.8314, 87.9386, 101.7313

# Monochromacy



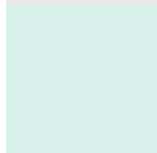
## Original Color

71.3938, 88.1409, 92.6069



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.6255, 83.4500, 90.0162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3938, 88.1409, 92.6069 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(187, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 236)  
}
```

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(187, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3938, 88.1409, 92.6069 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(187, 255, 236) }
```



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

```
.border{ border-color:rgb(187, 255, 236) }
```

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

Here you see how a box with a 4 pixel rgb(187, 255, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3938, 88.1409, 92.6069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 236) }
```

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

```
.background{ background-color: rgb(187,  
255, 236) }
```

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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