

# Converting Colors

XYZ(81.5464, 100.0000,  
136.5309)

Have a look what the booklet for  
XYZ(81.5464, 100.0000, 136.5309)  
contains.

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# Color

**XYZ(71.2656, 87.7387,  
107.7869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEFFFF
RGB	174, 255, 255
RGB Percent	68%, 100%, 100%
CMY	0.3176, 0.0000, 0.0000
CMYK	0.32, 0.00, 0.00, 0.00
HSL	180°, 100%, 84%
HSV	180°, 32%, 100%
XYZ	71.2656, 87.7387, 107.7869
YIQ	230.7810, -48.2760, -17.1720

# Conversions

## Conversions Part 2

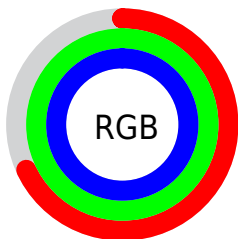
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 215, 255
Decimal	11468799
CIELab	95.05, -24.43, -7.86
CIELCh	95, 25.662, 197.835
Yxy	87.7387, 0.2671, 0.3289
Android (android.graphics.Color)	4289658879 (0xFFFAEFFF)
YUV	230.7810, 11.9400, -49.7969
Hunter-Lab	93.6689, -28.1135, -2.6580

# Details

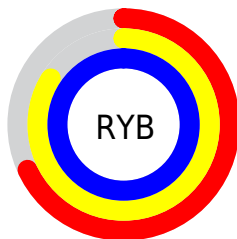
The XYZ color **71.2656, 87.7387, 107.7869** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.0171, 54.5897, 47.2091**, and the grayscale version is **75.7326, 79.6766, 86.7678**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **37.8583, 48.3169, 60.7568** is the 20% darker color. If you saturate the color by 10%, you get **66.1141, 85.0830, 107.5458**, and if you desaturate by 10%, it is **77.4971, 90.9511, 108.0785**.

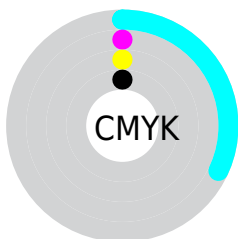
# Distribution



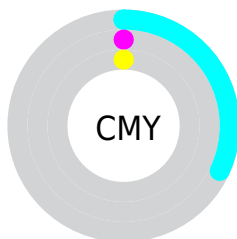
- Red (68%)
- Green (100%)
- Blue (100%)



- Red (68%)
- Yellow (84%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2656, 87.7387, 107.7869 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 71.2656, 87.7387, 107.7869 by changing the saturation by 10% instead.





 71.2656, 87.7387,  
107.7869

 71.2656, 87.7387,  
107.7869


454.1788,  
520.6472, 606.3386

 52.8423, 66.1067,  
82.1664


 120.0283,  
144.1933, 173.9626

 37.9039, 48.3590,  
60.9661


151.0984,  
179.7847, 215.3549

 26.0850, 34.1113,  
43.7674


187.1148,  
220.7980, 262.8415

 17.0202, 22.9791,  
30.1519

228.4428,  
267.6176, 316.8410

 10.3443, 14.5781,  
19.7009

275.4479,  
320.6280, 377.7719

 5.6918, 8.5238,  
11.9959

328.4954,

 2.6975, 4.4319,

380.2134, 446.0528

6.6184

387.9505,  
446.7583, 522.1022

■ 0.9959, 1.9180,  
3.1498

■ 0.0000, 0.5592,  
1.1716

■ 71.2656, 87.7387,  
107.7869

■ 71.2656, 87.7387,  
107.7869

■ 66.1141, 85.0830,  
107.5458

■ 77.4971, 90.9511,  
108.0785

■ 61.9789, 82.9512,  
107.3523

■ 84.8625, 94.7482,  
108.4232

■ 58.7936, 81.3092,  
107.2032

■ 93.4151, 99.1572,  
108.8235

■ 56.4828, 80.1179,  
107.0951

■ 95.0500, 100.0000,  
108.9000

■ 54.9595, 79.3326,  
107.0238

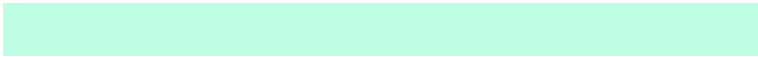
■ 54.1193, 78.8995,  
106.9845

■ 53.8100, 78.7400,  
106.9700

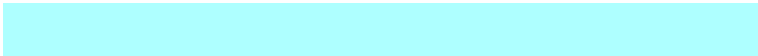
# Harmonies

## Analogous

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



70.9568, 87.7387, 87.6644



71.2656, 87.7387, 107.7869



74.7097, 87.7387, 126.9265

# Triad

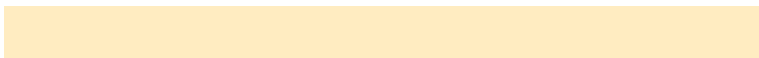
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2656, 87.7387, 107.7869



93.7348, 87.7387, 123.7070



86.2514, 87.7387, 62.6876

# Complementary

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



71.2656, 87.7387, 107.7869



64.0171, 54.5897, 47.2091

# 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.



92.7243, 87.7387, 69.7955



71.2656, 87.7387, 107.7869



97.2035, 87.7387, 103.8579

# Square

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



71.2656, 87.7387, 107.7869



87.5688, 87.7387, 136.9628



96.8236, 87.7387, 84.2440

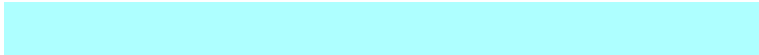


79.3522, 87.7387, 63.4331

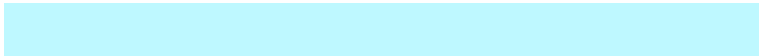


# Rectangle

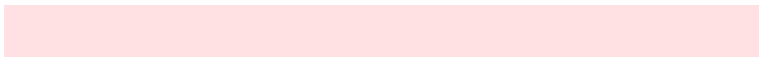
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2656, 87.7387, 107.7869



78.4345, 87.7387, 135.7046



96.8236, 87.7387, 84.2440



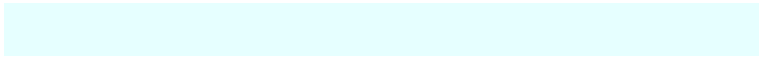
88.5562, 87.7387, 64.1916

# Sweetspot

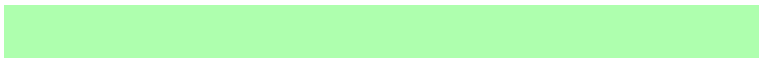
The Sweet Spot groups the original color and five complimentary colors.



71.2664, 87.7391, 107.7869



86.2829, 95.4804, 108.4897



60.8568, 83.5752, 52.9705



18.2251, 20.3115, 23.2099



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.



71.2664, 87.7391, 107.7869



67.9302, 86.0192, 107.6308



59.6802, 64.5667, 103.9249



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



74.4268, 58.7536, 102.0256



71.5339, 52.9679, 101.0613



73.0541, 72.6637, 50.2215



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

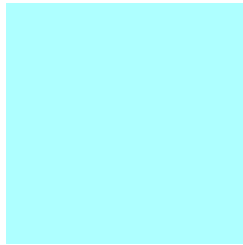


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 71.2656, 87.7387, 107.7869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

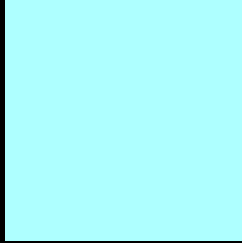
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2656, 87.7387, 107.7869 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 71.2656, 87.7387, 107.7869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2656, 87.7387, 107.7869.



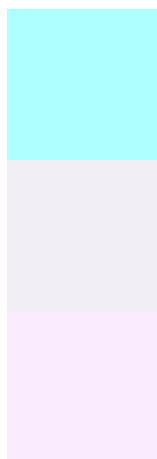
This preview shows how white text looks on a background with the XYZ color 71.2656, 87.7387,



# 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

71.2656, 87.7387, 107.7869

### Protanopia

83.6739, 86.6189, 98.6952

### Deuteranopia

87.5420, 87.1459, 106.8146



## Tritanopia

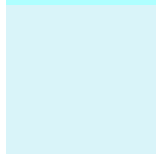
78.7267, 86.9719, 107.2457

# Trichromacy



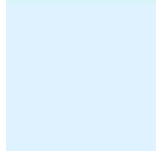
## Original Color

71.2656, 87.7387, 107.7869



## Protanomaly

78.0648, 86.2926, 102.1642



## Deuteranomaly

80.2336, 86.4122, 107.0582



## Tritanomaly

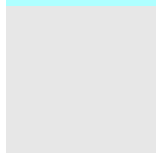
75.7451, 87.2507, 107.4566

# Monochromacy



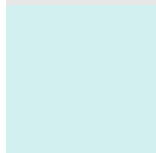
## Original Color

71.2656, 87.7387, 107.7869



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.4666, 82.3131, 94.4540

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2656, 87.7387, 107.7869 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(174, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 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(174, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2656, 87.7387, 107.7869 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(174, 255, 255) }
```



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

```
.border{ border-color:rgb(174, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2656, 87.7387, 107.7869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 255) }
```

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

```
.background{ background-color: rgb(174,  
255, 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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