

# Converting Colors

XYZ(78.7035, 87.2734,  
107.3051)

Have a look what the booklet for  
XYZ(78.7035, 87.2734, 107.3051)  
contains.

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# **Color**

**XYZ(78.7373, 87.4277,  
107.3331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F6FF
RGB	214, 246, 255
RGB Percent	84%, 96%, 100%
CMY	0.1608, 0.0353, 0.0000
CMYK	0.16, 0.04, 0.00, 0.00
HSL	193°, 100%, 92%
HSV	193°, 16%, 100%
XYZ	78.7373, 87.4277, 107.3331
YIQ	237.4580, -21.9610, -3.9850

# Conversions

## Conversions Part 2

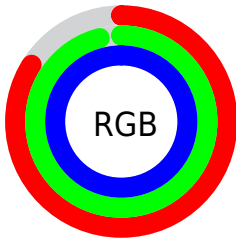
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 232, 255
Decimal	14087935
CIE <sub>Lab</sub>	94.92, -8.51, -7.81
CIE <sub>LCh</sub>	95, 11.550, 222.521
Yxy	87.4277, 0.2879, 0.3197
Android (android.graphics.Color)	4292278015 (0xFFD6F6FF)
YUV	237.4580, 8.6482, -20.5727
Hunter-Lab	93.5028, -13.3177, -2.6078

# Details

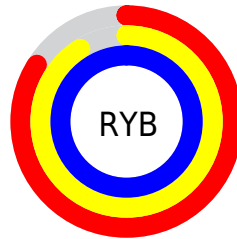
The XYZ color **78.7373, 87.4277, 107.3331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.7648, 78.8890, 74.6429**, and the grayscale version is **80.7987, 85.0065, 92.5721**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9046, 48.2751, 60.4828** is the 20% darker color. If you saturate the color by 10%, you get **70.1941, 80.5375, 106.4534**, and if you desaturate by 10%, it is **88.5013, 95.0280, 108.2855**.

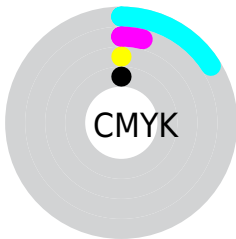
# Distribution



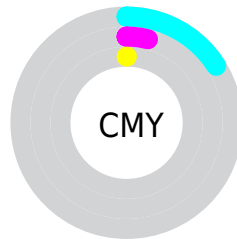
- Red (84%)
- Green (96%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7373, 87.4277, 107.3331 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 78.7373, 87.4277, 107.3331 by changing the saturation by 10% instead.



■ 78.7373, 87.4277,  
107.3331

■ 78.7373, 87.4277,  
107.3331

479.4688,  
519.6273, 604.9024

■ 58.9847, 65.8492,  
81.7878

130.5488,  
143.7601, 173.3381

■ 42.8471, 48.1500,  
60.6558

163.3385,  
179.2829, 214.6348

■ 29.9592, 33.9457,  
43.5187

201.2046,  
220.2225, 262.0190

■ 19.9555, 22.8519,  
29.9579

244.5125,  
266.9633, 315.9094

■ 12.4708, 14.4842,  
19.5549

293.6275,  
319.8898, 376.7243

■ 7.1396, 8.4582,  
11.8910

348.9150,

■ 3.5967, 4.3895,

379.3864, 444.8825

6.5479

410.7403,  
445.8374, 520.8023

■ 1.4766, 1.8937,  
3.1069

■ 0.3098, 0.5446,  
1.1495

■ 78.7373, 87.4277,  
107.3331

■ 78.7373, 87.4277,  
107.3331

■ 70.1941, 80.5375,  
106.4534

■ 88.5013, 95.0280,  
108.2855

■ 62.8104, 74.3181,  
105.6421

95.0500, 100.0000,  
108.9000

■ 56.5297, 68.7421,  
104.8969

■ 51.2878, 63.7758,  
104.2145

■ 47.0139, 59.3818,  
103.5917

■ 43.6276, 55.5182,  
103.0244

■ 41.0351, 52.1357,  
102.5082

■ 39.1198, 49.1737,  
102.0374

■ 38.4858, 48.0916,  
101.8619

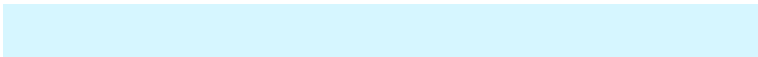
# Harmonies

## Analogous

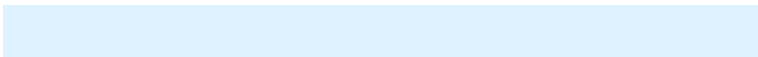
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3558, 87.4277, 98.9822



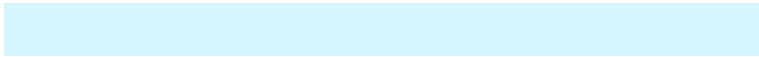
78.7373, 87.4277, 107.3331



81.3016, 87.4277, 112.6110

# Triad

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



78.7373, 87.4277, 107.3331



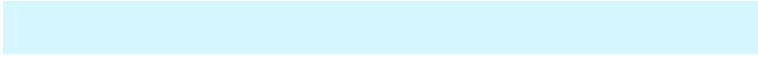
88.9751, 87.4277, 100.4689



81.7986, 87.4277, 79.3297

# Complementary

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



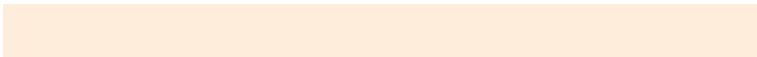
78.7373, 87.4277, 107.3331



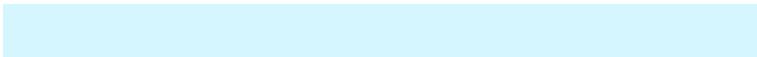
79.7648, 78.8890, 74.6429

# Split Complementary

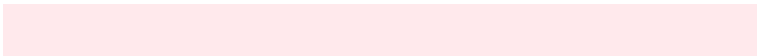
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9194, 87.4277, 79.6722



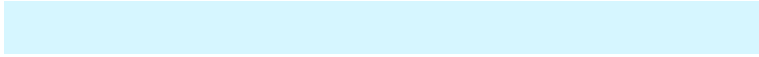
78.7373, 87.4277, 107.3331



89.1163, 87.4277, 91.5035

# Square

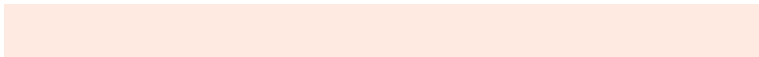
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7373, 87.4277, 107.3331



87.2345, 87.4277, 108.4802



87.6156, 87.4277, 84.0063

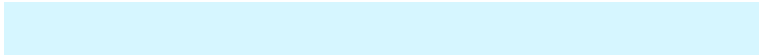


79.0932, 87.4277, 83.0393

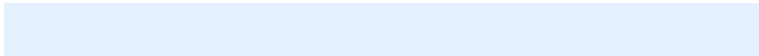


# Rectangle

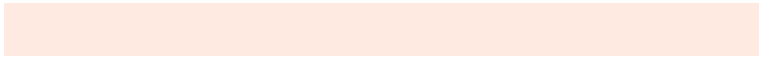
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7373, 87.4277, 107.3331



83.3626, 87.4277, 113.4853



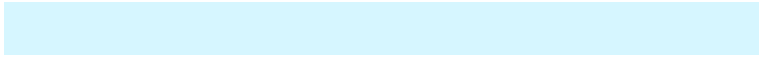
87.6156, 87.4277, 84.0063



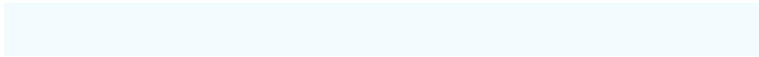
82.8328, 87.4277, 78.9818

# Sweetspot

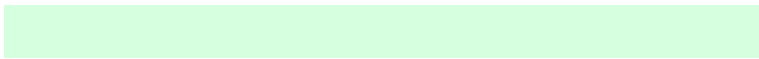
The Sweet Spot groups the original color and five complimentary colors.



78.7396, 87.4312, 107.3336



89.6279, 95.8897, 108.3924



76.7960, 91.1380, 83.2747



19.0264, 20.4039, 23.1855



0.0000, 0.0000, 0.0000

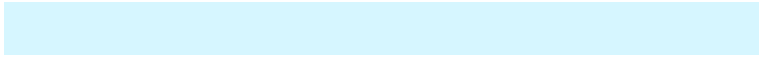


20.3446, 21.4041, 23.3091

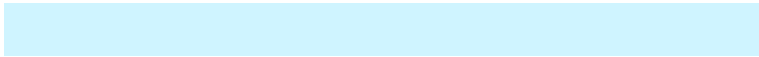


# Same Dimension

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



78.7396, 87.4312, 107.3336



76.1188, 85.3451, 107.0691



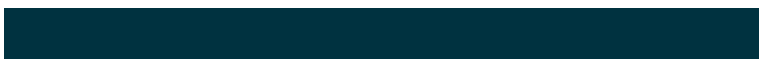
72.8749, 75.7018, 105.3787



18.1969, 19.7654, 23.1060



20.2250, 25.3595, 53.2635



2.0488, 2.6284, 5.2126



# Inverse Universe

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



81.9225, 76.0084, 97.5463



79.8294, 72.2221, 95.6158



85.5435, 90.4464, 76.5692



18.6120, 18.2281, 21.8400



26.9968, 13.2880, 29.6974

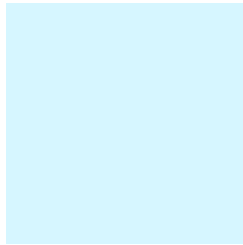


2.6688, 1.3099, 3.1031



# Previews

## White Background



This preview shows how the XYZ color 78.7373, 87.4277, 107.3331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

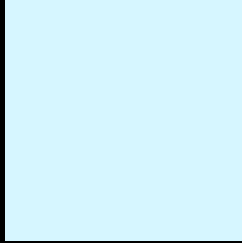
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7373, 87.4277, 107.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

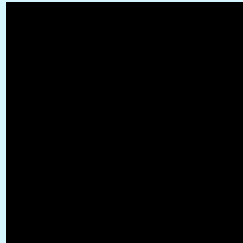
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.7373, 87.4277, 107.3331

## Background



This preview shows how black text looks on a background with the XYZ color 78.7373, 87.4277, 107.3331.



This preview shows how white text looks on a background with the XYZ color 78.7373, 87.4277,

107.3331.

# 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

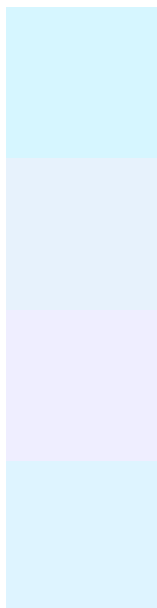




## Tritanopia

81.4646, 87.4899, 107.2013

# Trichromacy



## Original Color

78.7373, 87.4277, 107.3331

## Protanomaly

82.2778, 87.5215, 104.6523

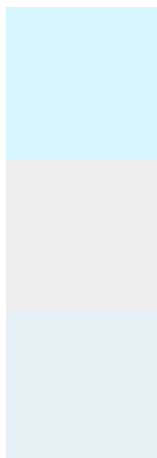
## Deuteranomaly

84.2211, 86.7198, 106.9074

## Tritanomaly

80.5249, 87.4510, 107.2434

# Monochromacy



## Original Color

78.7373, 87.4277, 107.3331

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

79.8023, 85.5098, 97.8870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.7373, 87.4277, 107.3331 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(214, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 246, 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(214, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7373, 87.4277, 107.3331 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(214, 246, 255) }
```



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

```
.border{ border-color:rgb(214, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7373, 87.4277, 107.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 246, 255) }
```

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

```
.background{ background-color: rgb(214,  
246, 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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