

# Converting Colors

XYZ(78.6654, 86.4446,  
107.1471)

Have a look what the booklet for  
XYZ(78.6654, 86.4446, 107.1471)  
contains.

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# Color

**XYZ(78.7196, 86.5203,  
107.1589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F4FF
RGB	216, 244, 255
RGB Percent	85%, 96%, 100%
CMY	0.1529, 0.0431, 0.0000
CMYK	0.15, 0.04, 0.00, 0.00
HSL	197°, 100%, 92%
HSV	197°, 15%, 100%
XYZ	78.7196, 86.5203, 107.1589
YIQ	236.8820, -20.2190, -2.5150

# Conversions

## Conversions Part 2

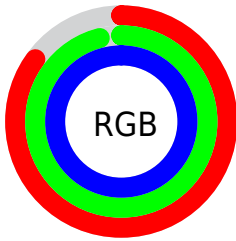
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 232, 255
Decimal	14218495
CIE <sub>Lab</sub>	94.53, -6.89, -8.36
CIE <sub>LCh</sub>	95, 10.834, 230.522
Yxy	86.5203, 0.2890, 0.3176
Android (android.graphics.Color)	4292408575 (0xFFD8F4FF)
YUV	236.8820, 8.9322, -18.3135
Hunter-Lab	93.0163, -11.7141, -3.1933

# Details

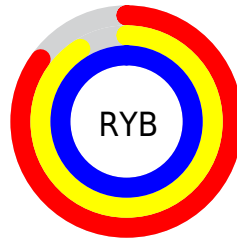
The XYZ color **78.7196, 86.5203, 107.1589** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.1033, 81.1547, 76.3572**, and the grayscale version is **80.3521, 84.5366, 92.0604**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8742, 47.6207, 60.3581** is the 20% darker color. If you saturate the color by 10%, you get **69.6418, 78.6937, 106.1266**, and if you desaturate by 10%, it is **89.0554, 95.1253, 108.2750**.

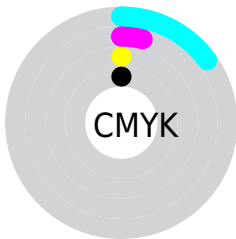
# Distribution



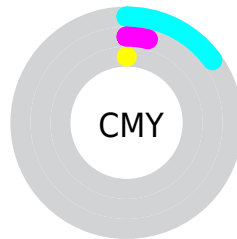
- Red (85%)
- Green (96%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7196, 86.5203, 107.1589 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 78.7196, 86.5203, 107.1589 by changing the saturation by 10% instead.



78.7196, 86.5203,  
107.1589

78.7196, 86.5203,  
107.1589

479.4098,  
516.6453, 604.3506

58.9701, 65.0983,  
81.6424

130.5240,  
142.4953, 173.0983

42.8353, 47.5408,  
60.5368

163.3097,  
177.8172, 214.3583

29.9499, 33.4634,  
43.4233

201.1715,  
218.5410, 261.7032

19.9485, 22.4817,  
29.8835

244.4748,  
265.0514, 315.5516

12.4656, 14.2112,  
19.4989

293.5849,  
317.7326, 376.3220

7.1361, 8.2677,  
11.8509

348.8672,

3.5944, 4.2667,

376.9690, 444.4329

6.5209

410.6870,  
443.1451, 520.3029

■ 1.4754, 1.8239,  
3.0905

■ 0.3090, 0.5020,  
1.1410

■ 78.7196, 86.5203,  
107.1589

■ 78.7196, 86.5203,  
107.1589

■ 69.6418, 78.6937,  
106.1266

■ 89.0554, 95.1253,  
108.2750

■ 61.7605, 71.6055,  
105.1739

95.0500, 100.0000,  
108.9000

■ 55.0191, 65.2273,  
104.2981

■ 49.3533, 59.5246,  
103.4960

■ 44.6923, 54.4594,  
102.7639

■ 40.9561, 49.9890,  
102.0980

■ 38.0516, 46.0637,  
101.4934

■ 35.8640, 42.6228,  
100.9445

■ 35.0054, 41.1307,  
100.7018

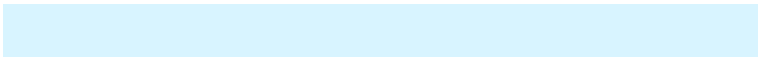
# Harmonies

## Analogous

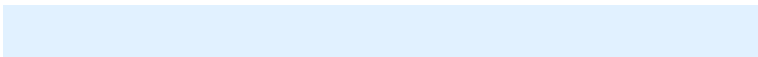
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0922, 86.5203, 99.9511



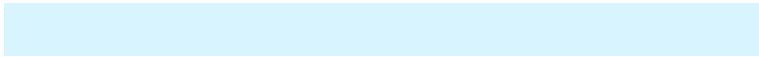
78.7196, 86.5203, 107.1589



81.3146, 86.5203, 110.9579

# Triad

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



78.7196, 86.5203, 107.1589



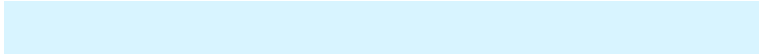
87.8932, 86.5203, 96.8764



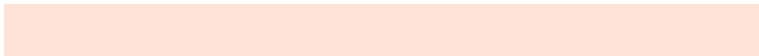
80.2840, 86.5203, 79.9462

# Complementary

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



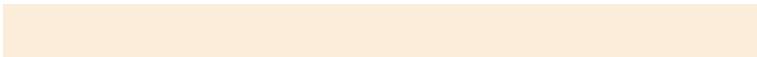
78.7196, 86.5203, 107.1589



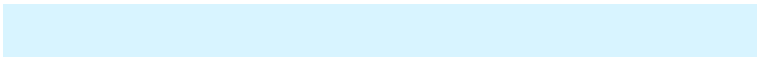
81.1033, 81.1547, 76.3572

# Split Complementary

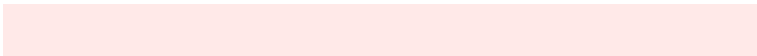
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1622, 86.5203, 79.2310



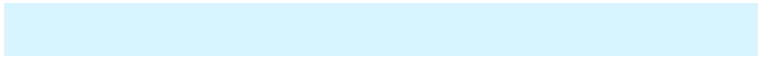
78.7196, 86.5203, 107.1589



87.6015, 86.5203, 88.6852

# Square

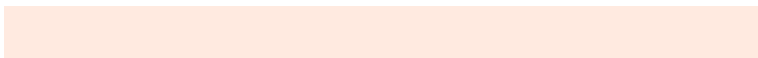
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7196, 86.5203, 107.1589



86.6414, 86.5203, 104.7942



85.8534, 86.5203, 82.3412

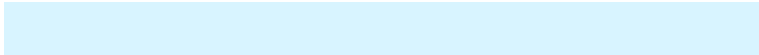


77.9805, 86.5203, 84.3560



# Rectangle

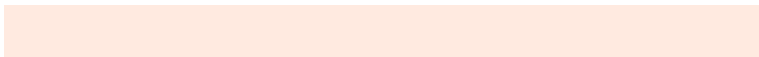
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7196, 86.5203, 107.1589



83.2636, 86.5203, 110.9013



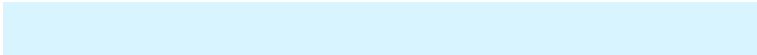
85.8534, 86.5203, 82.3412



81.2148, 86.5203, 79.2763

# Sweetspot

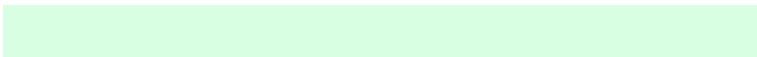
The Sweet Spot groups the original color and five complimentary colors.



78.7219, 86.5238, 107.1594



89.3778, 95.3894, 108.3090



77.8623, 91.6324, 85.8240



18.9655, 20.2820, 23.1652



0.0000, 0.0000, 0.0000

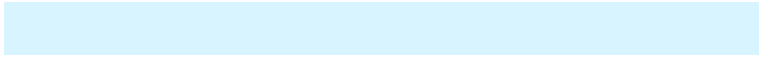


20.3446, 21.4041, 23.3091

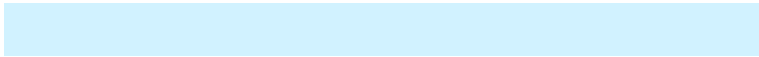


# Same Dimension

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



78.7219, 86.5238, 107.1594



76.1425, 84.3293, 106.8718



73.3224, 75.7248, 105.3596



18.0966, 19.5649, 23.0726



18.4241, 21.7578, 52.6632



1.8866, 2.3039, 5.1585



# Inverse Universe

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



82.1264, 76.9050, 96.1077



80.1009, 73.3244, 93.9822



86.5605, 92.0691, 78.1763



18.5614, 18.2079, 21.5736



26.0878, 12.9244, 24.9107

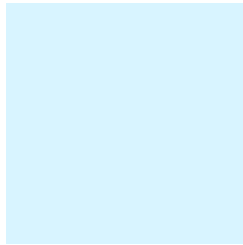


2.5869, 1.2771, 2.6719



# Previews

## White Background



This preview shows how the XYZ color 78.7196, 86.5203, 107.1589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

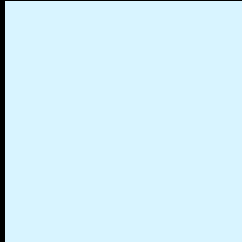
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.7196, 86.5203, 107.1589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

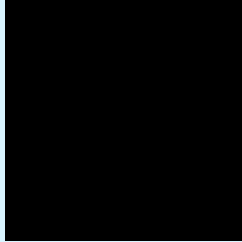
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.7196, 86.5203, 107.1589

## Background



This preview shows how black text looks on a background with the XYZ color 78.7196, 86.5203, 107.1589.



This preview shows how white text looks on a background with the XYZ color 78.7196, 86.5203,



# 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

78.7196, 86.5203, 107.1589

### Protanopia

83.6320, 86.0587, 103.4699

### Deuteranopia

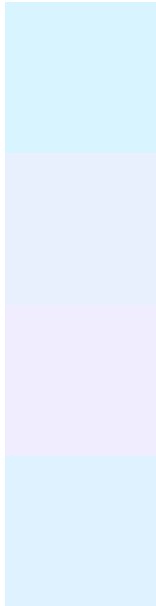
87.3338, 86.1933, 106.6417



## Tritanopia

80.8535, 86.7318, 107.0872

# Trichromacy



## Original Color

78.7196, 86.5203, 107.1589

## Protanomaly

81.6858, 86.3374, 104.4549

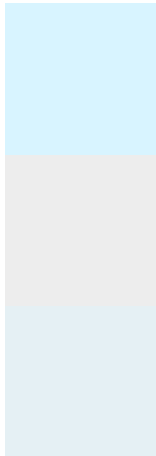
## Deuteranomaly

83.9308, 86.1391, 106.8106

## Tritanomaly

80.2248, 86.8508, 107.1433

# Monochromacy



## Original Color

78.7196, 86.5203, 107.1589

## 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 78.7196, 86.5203, 107.1589 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(216, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 244, 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(216, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.7196, 86.5203, 107.1589 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(216, 244, 255) }
```



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

```
.border{ border-color:rgb(216, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.7196, 86.5203, 107.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 244, 255) }
```

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

```
.background{ background-color: rgb(216,  
244, 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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