

# Converting Colors

XYZ(90.7812, 93.2891,  
151.2342)

Have a look what the booklet for  
XYZ(90.7812, 93.2891, 151.2342)  
contains.

<b>XYZ(82.3621, 89.7491, 107.5901)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.3621, 89.7491,  
107.5901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F7FF
RGB	225, 247, 255
RGB Percent	88%, 97%, 100%
CMY	0.1176, 0.0314, 0.0000
CMYK	0.12, 0.03, 0.00, 0.00
HSL	196°, 100%, 94%
HSV	196°, 12%, 100%
XYZ	82.3621, 89.7491, 107.5901
YIQ	241.3340, -15.6800, -2.1760

# Conversions

## Conversions Part 2

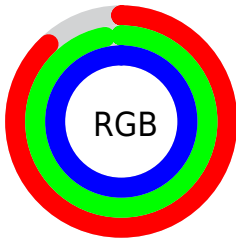
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 238, 255
Decimal	14809087
CIE Lab	95.89, -5.61, -6.29
CIE LCh	96, 8.425, 228.262
Yxy	89.7491, 0.2945, 0.3209
Android (android.graphics.Color)	4292999167 (0xFFE1F7FF)
YUV	241.3340, 6.7373, -14.3249
Hunter-Lab	94.7360, -10.6027, -1.0195

# Details

The XYZ color **82.3621, 89.7491, 107.5901** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9689, 84.9724, 83.2114**, and the grayscale version is **83.8316, 88.1974, 96.0470**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4014, 49.8849, 60.6619** is the 20% darker color. If you saturate the color by 10%, you get **72.9585, 81.8745, 106.5658**, and if you desaturate by 10%, it is **93.0333, 98.3945, 108.6964**.

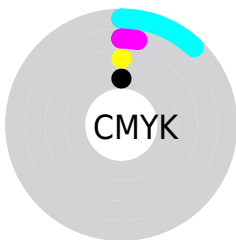
# Distribution



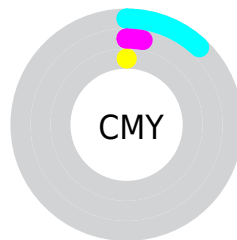
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3621, 89.7491, 107.5901 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 82.3621, 89.7491, 107.5901 by changing the saturation by 10% instead.



82.3621, 89.7491,  
107.5901

82.3621, 89.7491,  
107.5901

491.4742,  
527.2143, 605.7160

61.9792, 67.7726,  
82.0022

135.6148,  
146.9898, 173.6918

45.2714, 49.7127,  
60.8315

169.2154,  
183.0228, 215.0426

31.8734, 35.1852,  
43.6595

207.9525,  
224.5101, 262.4849

21.4199, 23.8056,  
30.0677

252.1916,  
271.8360, 316.4371

13.5455, 15.1895,  
19.6375

302.2979,  
325.3850, 377.3177

7.8848, 8.9525,  
11.9504

358.6369,

4.0725, 4.7102,

385.5415, 445.5454

6.5878

421.5739,  
452.6898, 521.5387

■ 1.7432, 2.0782,  
3.1311

■ 0.4831, 0.6523,  
1.1620

■ 82.3621, 89.7491,  
107.5901

■ 82.3621, 89.7491,  
107.5901

■ 72.9585, 81.8745,  
106.5658

■ 93.0333, 98.3945,  
108.6964

■ 64.7622, 74.7312,  
105.6190

95.0500, 100.0000,  
108.9000

■ 57.7184, 68.2921,  
104.7474

■ 51.7651, 62.5240,  
103.9478

■ 46.8342, 57.3906,  
103.2168

■ 42.8494, 52.8512,  
102.5507

■ 39.7229, 48.8595,  
101.9449

■ 37.3494, 45.3596,  
101.3945

■ 35.8290, 42.7781,  
100.9763

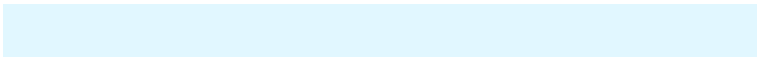
# Harmonies

## Analogous

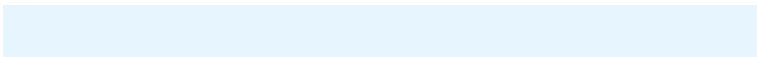
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1284, 89.7491, 101.7887



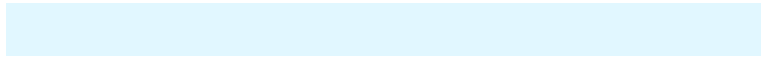
82.3621, 89.7491, 107.5901



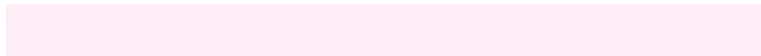
84.3976, 89.7491, 110.8009

# Triad

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



82.3621, 89.7491, 107.5901



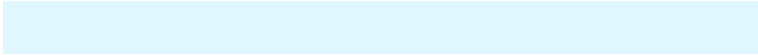
89.7562, 89.7491, 100.3495



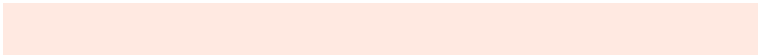
83.9106, 89.7491, 86.0602

# Complementary

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



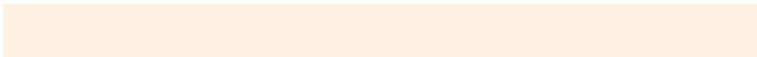
82.3621, 89.7491, 107.5901



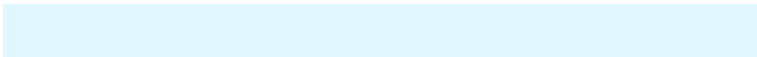
83.9689, 84.9724, 83.2114

# Split Complementary

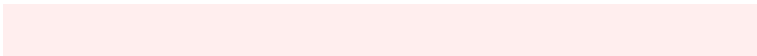
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2166, 89.7491, 85.7142



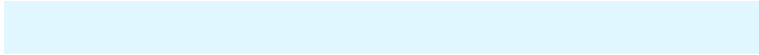
82.3621, 89.7491, 107.5901



89.6201, 89.7491, 93.7641

# Square

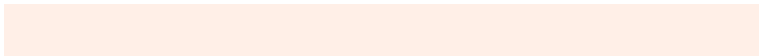
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



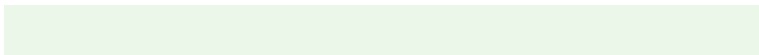
82.3621, 89.7491, 107.5901



88.6834, 89.7491, 106.4954



88.3148, 89.7491, 88.4756

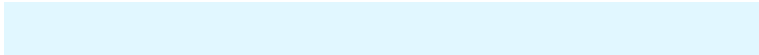


82.0112, 89.7491, 89.4433



# Rectangle

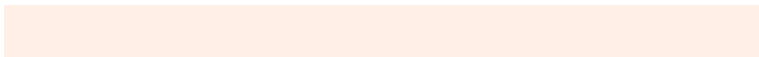
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3621, 89.7491, 107.5901



85.9478, 89.7491, 110.9476



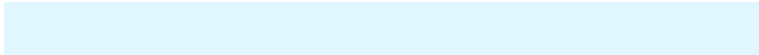
88.3148, 89.7491, 88.4756



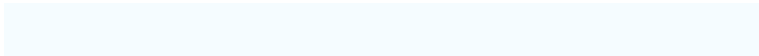
84.6630, 89.7491, 85.5907

# Sweetspot

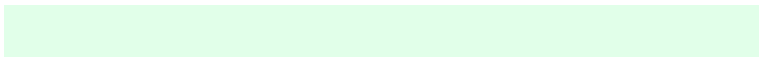
The Sweet Spot groups the original color and five complimentary colors.



82.3644, 89.7527, 107.5907



90.5354, 96.3944, 108.4420



81.4489, 93.3827, 90.4499



19.2016, 20.4902, 23.1929



0.0000, 0.0000, 0.0000

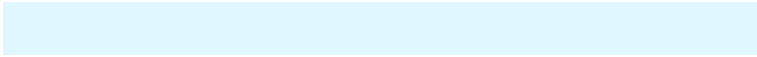


20.3446, 21.4041, 23.3091

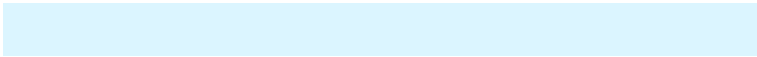


# Same Dimension

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



82.3644, 89.7527, 107.5907



80.1533, 87.9258, 107.3546



78.1000, 81.2240, 106.1692



18.1213, 19.6142, 23.0808



18.8507, 22.6109, 52.8054



1.9253, 2.3812, 5.1714



# Inverse Universe

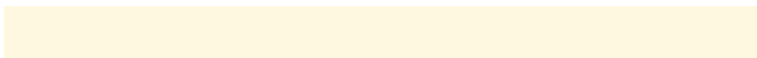
The Inverse Universe completely reimagines the original color for something new.



84.9551, 81.8273, 99.3167



83.2056, 78.7020, 97.5811



88.2450, 93.5245, 84.6368



18.5739, 18.2129, 21.6391



26.3031, 13.0106, 26.0446

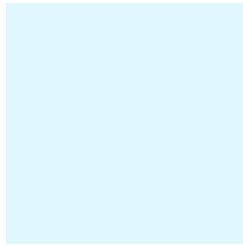


2.6064, 1.2849, 2.7747



# Previews

## White Background



This preview shows how the XYZ color 82.3621, 89.7491, 107.5901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

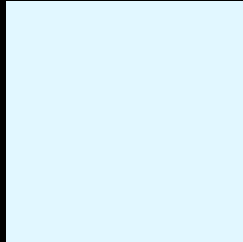
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3621, 89.7491, 107.5901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

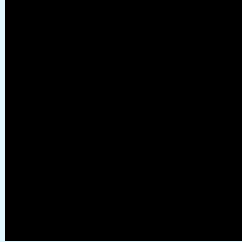
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.3621, 89.7491, 107.5901

## Background



This preview shows how black text looks on a background with the XYZ color 82.3621, 89.7491, 107.5901.



This preview shows how white text looks on a background with the XYZ color 82.3621, 89.7491,

107.5901.

# 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

82.3621, 89.7491, 107.5901

### Protanopia

86.6822, 89.3513, 104.7734

### Deuteranopia

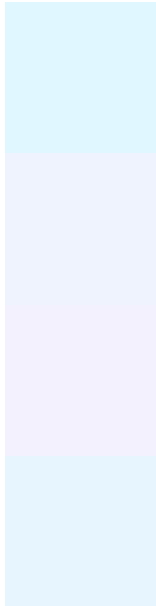
89.5442, 89.5009, 105.4844



## **Tritanopia**

84.3324, 89.4138, 107.4215

# Trichromacy



## Original Color

82.3621, 89.7491, 107.5901

## Protanomaly

85.0401, 89.3702, 105.6966

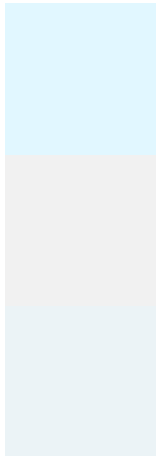
## Deuteranomaly

86.6529, 89.2994, 106.4353

## Tritanomaly

83.6574, 89.5137, 107.4764

# Monochromacy



## Original Color

82.3621, 89.7491, 107.5901

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.9461, 88.4172, 99.8833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3621, 89.7491, 107.5901 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(225, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 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(225, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3621, 89.7491, 107.5901 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(225, 247, 255) }
```



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

```
.border{ border-color:rgb(225, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3621, 89.7491, 107.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 255) }
```

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

```
.background{ background-color: rgb(225,  
247, 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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