

Converting Colors

XYZ(81.8026, 89.3881,
107.5499)

Have a look what the booklet for
XYZ(81.8026, 89.3881, 107.5499)
contains.

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Color

**XYZ(81.7422, 89.4295,
107.5611)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF7FF
RGB	223, 247, 255
RGB Percent	87%, 97%, 100%
CMY	0.1255, 0.0314, 0.0000
CMYK	0.13, 0.03, 0.00, 0.00
HSL	195°, 100%, 94%
HSV	195°, 13%, 100%
XYZ	81.7422, 89.4295, 107.5611
YIQ	240.7360, -16.8720, -2.6000

Conversions

Conversions Part 2

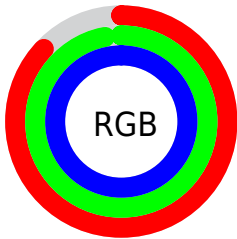
Format	Color
R _Y B	223, 237, 255
Decimal	14678015
CIE Lab	95.76, -6.23, -6.50
CIE LCh	96, 9.006, 226.186
Yxy	89.4295, 0.2933, 0.3208
Android (android.graphics.Color)	4292868095 (0xFFDFF7FF)
YUV	240.7360, 7.0322, -15.5545
Hunter-Lab	94.5672, -11.2003, -1.2397

Details

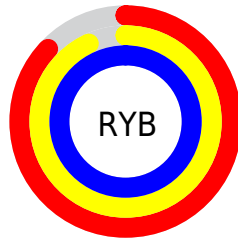
The XYZ color **81.7422, 89.4295, 107.5611** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.1347, 83.7380, 81.5951**, and the grayscale version is **83.3596, 87.7007, 95.5061**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9723, 49.6637, 60.6418** is the 20% darker color. If you saturate the color by 10%, you get **72.5548, 81.8524, 106.5828**, and if you desaturate by 10%, it is **92.1840, 97.7569, 108.6181**.

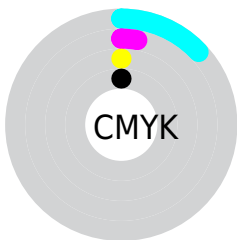
Distribution



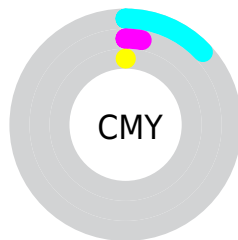
- Red (87%)
- Green (97%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7422, 89.4295, 107.5611 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 81.7422, 89.4295, 107.5611 by changing the saturation by 10% instead.

81.7422, 89.4295,
107.5611

81.7422, 89.4295,
107.5611

489.4325,
526.1733, 605.6242

61.4664, 67.5076,
81.9780

134.7501,
146.5457, 173.6519

44.8557, 49.4972,
60.8117

168.2130,
182.5087, 214.9966

31.5446, 35.0141,
43.6436

206.8023,
223.9210, 262.4323

21.1677, 23.6737,
30.0553

250.8834,
271.1667, 316.3775

13.3598, 15.0918,
19.6282

300.8216,
324.6305, 377.2508

7.7555, 8.8838,
11.9437

356.9823,

3.9894, 4.6655,

384.6965, 445.4706

6.5833

419.7308,
451.7493, 521.4556

■ 1.6961, 2.0524,
3.1284

■ 0.4538, 0.6376,
1.1606

■ 81.7422, 89.4295,
107.5611

■ 81.7422, 89.4295,
107.5611

■ 72.5548, 81.8524,
106.5828

■ 92.1840, 97.7569,
108.6181

■ 64.5615, 74.9863,
105.6788

95.0500, 100.0000,
108.9000

■ 57.7072, 68.8043,
104.8468

■ 51.9295, 63.2732,
104.0837

■ 47.1601, 58.3568,
103.3861

■ 43.3220, 54.0142,
102.7502

■ 40.3265, 50.1988,
102.1717

■ 38.0665, 46.8543,
101.6452

■ 36.7436, 44.6072,
101.2812

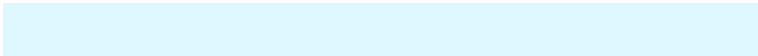
Harmonies

Analogous

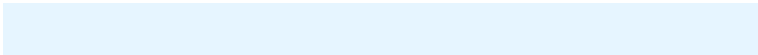
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5036, 89.4295, 101.2290



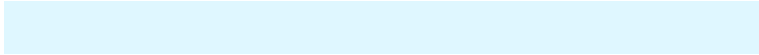
81.7422, 89.4295, 107.5611



83.8669, 89.4295, 111.2421

Triad

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



81.7422, 89.4295, 107.5611



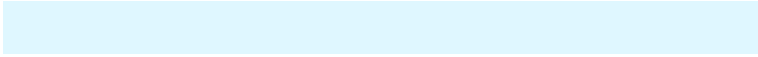
89.7138, 89.4295, 100.6700



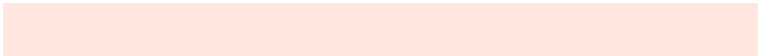
83.6781, 89.4295, 84.8417

Complementary

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



81.7422, 89.4295, 107.5611



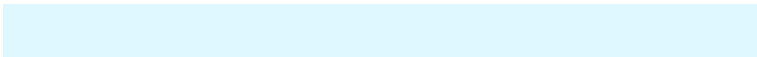
83.1347, 83.7380, 81.5951

Split Complementary

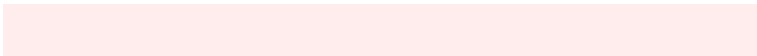
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1434, 89.4295, 84.7083



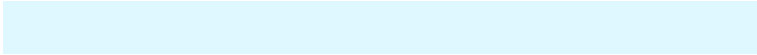
81.7422, 89.4295, 107.5611



89.6609, 89.4295, 93.6172

Square

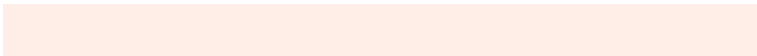
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7422, 89.4295, 107.5611



88.4866, 89.4295, 107.1347



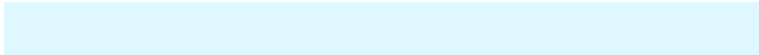
88.3433, 89.4295, 87.8504



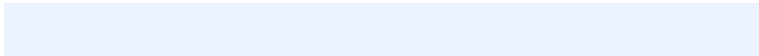
81.6064, 89.4295, 88.2240

Rectangle

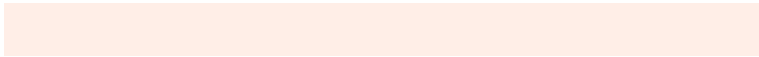
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7422, 89.4295, 107.5611



85.5148, 89.4295, 111.5872



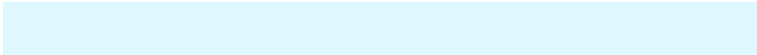
88.3433, 89.4295, 87.8504



84.4874, 89.4295, 84.4212

Sweetspot

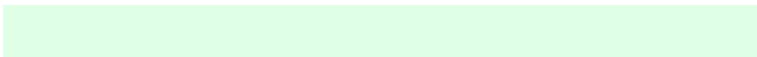
The Sweet Spot groups the original color and five complimentary colors.



81.7445, 89.4331, 107.5617



90.5888, 96.5013, 108.4598



80.5410, 92.9479, 88.9041



19.2151, 20.5173, 23.1974



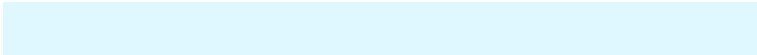
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



81.7445, 89.4331, 107.5617



79.3776, 87.5067, 107.3146



77.2080, 80.3601, 106.0495



18.1480, 19.6675, 23.0897



19.3240, 23.5577, 52.9632



1.9680, 2.4667, 5.1857

Inverse Universe

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



84.4176, 80.7523, 99.1375



82.5376, 77.3766, 97.3263



87.6577, 92.7840, 83.1027



18.5873, 18.2182, 21.7100



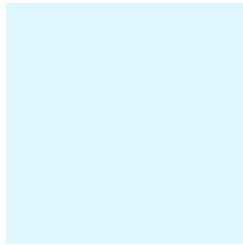
26.5421, 13.1061, 27.3028



2.6280, 1.2936, 2.8882

Previews

White Background



This preview shows how the XYZ color 81.7422, 89.4295, 107.5611 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 81.7422, 89.4295, 107.5611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

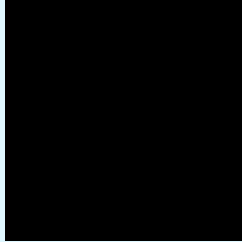
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7422, 89.4295, 107.5611

Background



This preview shows how black text looks on a background with the XYZ color 81.7422, 89.4295, 107.5611.



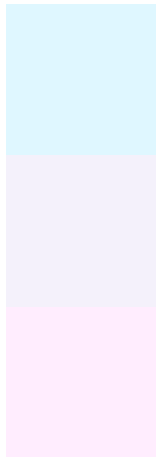
This preview shows how white text looks on a background with the XYZ color 81.7422, 89.4295,

107.5611.

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

81.7422, 89.4295, 107.5611

Protanopia

86.1761, 89.1087, 103.9245

Deuteranopia

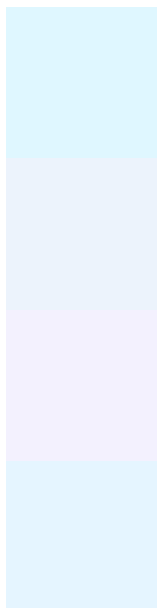
89.4136, 88.9841, 106.2290



Tritanopia

84.0050, 89.2450, 107.4062

Trichromacy



Original Color

81.7422, 89.4295, 107.5611

Protanomaly

84.2134, 88.9623, 104.8284

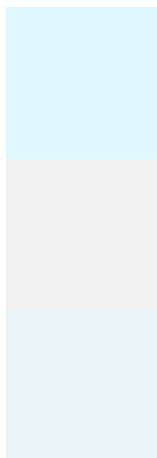
Deuteranomaly

86.3068, 89.1210, 106.4192

Tritanomaly

83.0155, 89.1828, 107.4464

Monochromacy



Original Color

81.7422, 89.4295, 107.5611

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.6168, 88.2474, 99.8679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7422, 89.4295, 107.5611 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(223, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.7422, 89.4295, 107.5611 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(223, 247, 255) }
```


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

```
.border{ border-color:rgb(223, 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(223, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7422, 89.4295, 107.5611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 255) }
```

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

```
.background{ background-color: rgb(223,  
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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