

Converting Colors

XYZ(85.0984, 90.9600,
125.6688)

Have a look what the booklet for
XYZ(85.0984, 90.9600, 125.6688)
contains.

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Color

**XYZ(81.4350, 89.2711,
107.5467)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF7FF
RGB	222, 247, 255
RGB Percent	87%, 97%, 100%
CMY	0.1294, 0.0314, 0.0000
CMYK	0.13, 0.03, 0.00, 0.00
HSL	195°, 100%, 94%
HSV	195°, 13%, 100%
XYZ	81.4350, 89.2711, 107.5467
YIQ	240.4370, -17.4680, -2.8120

Conversions

Conversions Part 2

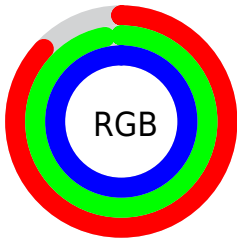
Format	Color
R _Y B	222, 236, 255
Decimal	14612479
CIE Lab	95.69, -6.55, -6.60
CIE LCh	96, 9.298, 225.247
Yxy	89.2711, 0.2927, 0.3208
Android (android.graphics.Color)	4292802559 (0xFFDEF7FF)
YUV	240.4370, 7.1796, -16.1692
Hunter-Lab	94.4834, -11.4972, -1.3491

Details

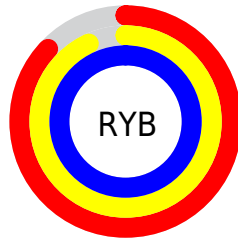
The XYZ color **81.4350, 89.2711, 107.5467** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.7212, 83.1262, 80.7941**, and the grayscale version is **83.1241, 87.4530, 95.2364**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7602, 49.5543, 60.6319** is the 20% darker color. If you saturate the color by 10%, you get **72.3500, 81.8315, 106.5895**, and if you desaturate by 10%, it is **91.7685, 97.4521, 108.5812**.

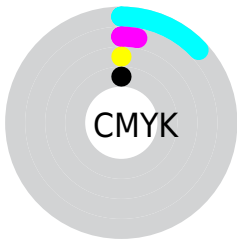
Distribution



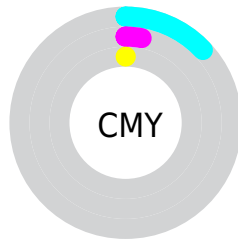
- Red (87%)
- Green (97%)
- Blue (100%)



- 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 81.4350, 89.2711, 107.5467 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 81.4350, 89.2711, 107.5467 by changing the saturation by 10% instead.

81.4350, 89.2711,
107.5467

81.4350, 89.2711,
107.5467

488.4190,
525.6569, 605.5786

61.2124, 67.3763,
81.9660

134.3214,
146.3255, 173.6321

44.6498, 49.3905,
60.8018

167.7159,
182.2539, 214.9738

31.3818, 34.9293,
43.6358

206.2317,
223.6288, 262.4062

21.0430, 23.6084,
30.0492

250.2343,
270.8348, 316.3480

13.2681, 15.0434,
19.6235

300.0890,
324.2562, 377.2176

7.6917, 8.8499,
11.9403

356.1611,

3.9484, 4.6434,

384.2775, 445.4335

6.5810

418.8160,
451.2829, 521.4143

■ 1.6730, 2.0396,
3.1270

■ 0.4393, 0.6303,
1.1599

■ 81.4350, 89.2711,
107.5467

■ 81.4350, 89.2711,
107.5467

■ 72.3500, 81.8315,
106.5895

■ 91.7685, 97.4521,
108.5812

■ 64.4530, 75.0939,
105.7053

95.0500, 100.0000,
108.9000

■ 57.6888, 69.0315,
104.8916

■ 51.9950, 63.6111,
104.1455

■ 47.3029, 58.7965,
103.4635

■ 43.5351, 54.5467,
102.8418

■ 40.6027, 50.8150,
102.2760

■ 38.3975, 47.5447,
101.7610

■ 37.1681, 45.4561,
101.4227

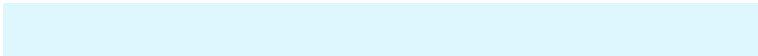
Harmonies

Analogous

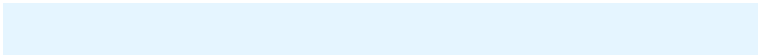
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1941, 89.2711, 100.9510



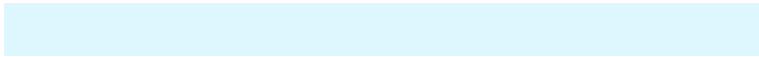
81.4350, 89.2711, 107.5467



83.6037, 89.2711, 111.4625

Triad

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



81.4350, 89.2711, 107.5467



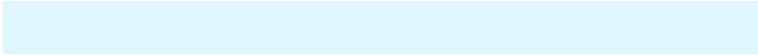
89.6931, 89.2711, 100.8309



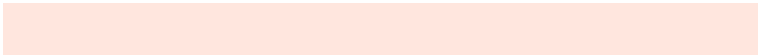
83.5632, 89.2711, 84.2397

Complementary

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



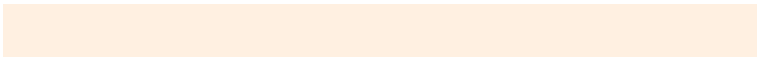
81.4350, 89.2711, 107.5467



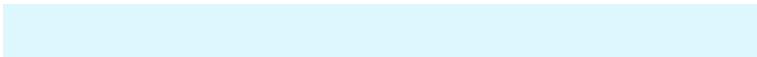
82.7212, 83.1262, 80.7941

Split Complementary

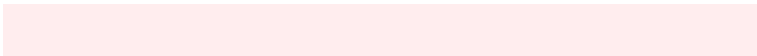
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1076, 89.2711, 84.2111



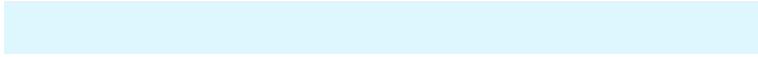
81.4350, 89.2711, 107.5467



89.6817, 89.2711, 93.5451

Square

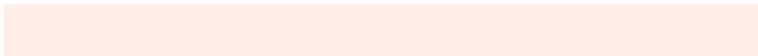
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4350, 89.2711, 107.5467



88.3889, 89.2711, 107.4549



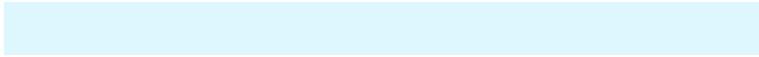
88.3581, 89.2711, 87.5411



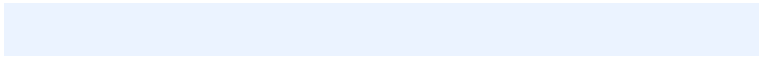
81.4059, 89.2711, 87.6212

Rectangle

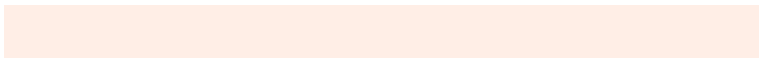
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4350, 89.2711, 107.5467



85.2999, 89.2711, 111.9070



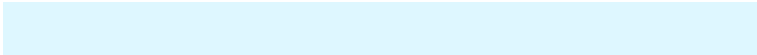
88.3581, 89.2711, 87.5411



84.4007, 89.2711, 83.8434

Sweetspot

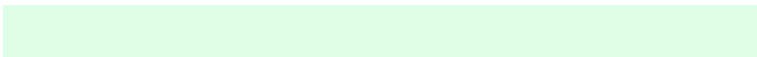
The Sweet Spot groups the original color and five complimentary colors.



81.4373, 89.2747, 107.5473



90.6131, 96.5499, 108.4679



80.1261, 92.7464, 88.3224



19.2213, 20.5297, 23.1995



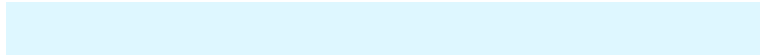
0.0000, 0.0000, 0.0000



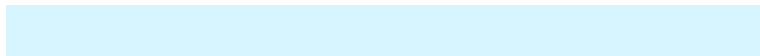
20.3446, 21.4041, 23.3091

Same Dimension

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



81.4373, 89.2747, 107.5473



78.5271, 86.9205, 107.2463



76.6955, 79.7910, 105.9667



18.1601, 19.6918, 23.0937



19.5436, 23.9968, 53.0364



1.9878, 2.5062, 5.1923

Inverse Universe

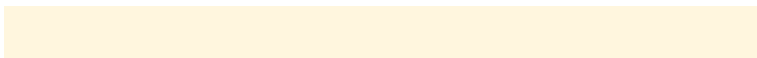
The Inverse Universe completely reimagines the original color for something new.



84.1512, 80.2196, 99.0486



81.8362, 76.0540, 96.8448



87.4420, 92.5677, 82.3677



18.5935, 18.2207, 21.7423



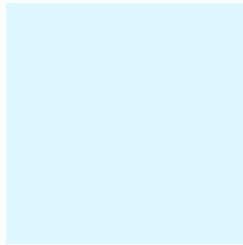
26.6529, 13.1505, 27.8865



2.6379, 1.2975, 2.9408

Previews

White Background



This preview shows how the XYZ color 81.4350, 89.2711, 107.5467 looks on a white background.

Color Contrast Check

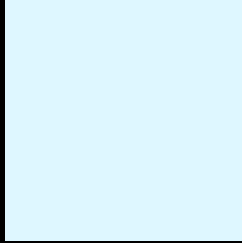
Large Text (above 18pt) WCAG AA × Fail

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 81.4350, 89.2711, 107.5467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

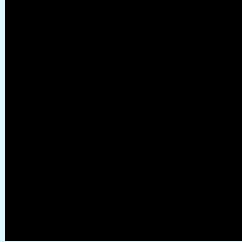
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

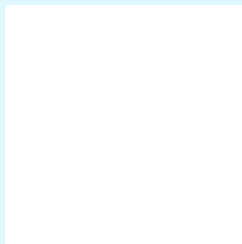
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.4350, 89.2711, 107.5467

Background



This preview shows how black text looks on a background with the XYZ color 81.4350, 89.2711, 107.5467.

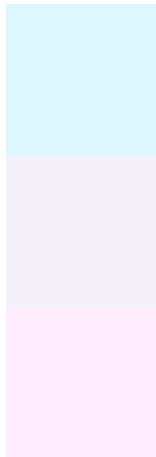


This preview shows how white text looks on a background with the XYZ color 81.4350, 89.2711,

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

81.4350, 89.2711, 107.5467

Protanopia

86.1761, 89.1087, 103.9245

Deuteranopia

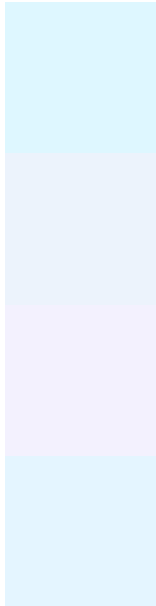
89.4136, 88.9841, 106.2290



Tritanopia

83.6794, 89.0772, 107.3910

Trichromacy



Original Color

81.4350, 89.2711, 107.5467

Protanomaly

84.2134, 88.9623, 104.8284

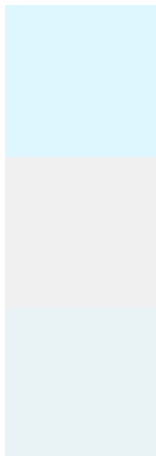
Deuteranomaly

86.3068, 89.1210, 106.4192

Tritanomaly

82.6973, 89.0188, 107.4315

Monochromacy



Original Color

81.4350, 89.2711, 107.5467

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1363, 88.0174, 99.0462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4350, 89.2711, 107.5467 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(222, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.4350, 89.2711, 107.5467 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(222, 247, 255) }
```


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

```
.border{ border-color:rgb(222, 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(222, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4350, 89.2711, 107.5467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 247, 255) }
```

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

```
.background{ background-color: rgb(222,  
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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