

Converting Colors

XYZ(82.8764, 89.1889,
107.4549)

Have a look what the booklet for
XYZ(82.8764, 89.1889, 107.4549)
contains.

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Color

**XYZ(82.6973, 89.0188,
107.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F5FF
RGB	228, 245, 255
RGB Percent	89%, 96%, 100%
CMY	0.1059, 0.0392, 0.0000
CMYK	0.11, 0.04, 0.00, 0.00
HSL	202°, 100%, 95%
HSV	202°, 11%, 100%
XYZ	82.6973, 89.0188, 107.4315
YIQ	241.0570, -13.3420, -0.4940

Conversions

Conversions Part 2

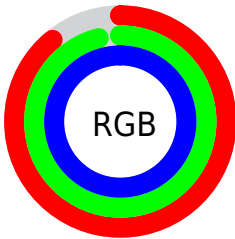
Format	Color
R _Y B	228, 238, 255
Decimal	15005183
CIE Lab	95.59, -3.65, -6.71
CIE LCh	96, 7.642, 241.459
Yxy	89.0188, 0.2962, 0.3189
Android (android.graphics.Color)	4293195263 (0xFFE4F5FF)
YUV	241.0570, 6.8739, -11.4510
Hunter-Lab	94.3498, -8.6574, -1.4658

Details

The XYZ color **82.6973, 89.0188, 107.4315** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8174, 88.0087, 85.8646**, and the grayscale version is **83.6111, 87.9654, 95.7943**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4039, 49.2431, 60.5379** is the 20% darker color. If you saturate the color by 10%, you get **72.4137, 79.5876, 106.1531**, and if you desaturate by 10%, it is **94.3244, 99.3637, 108.8154**.

Distribution



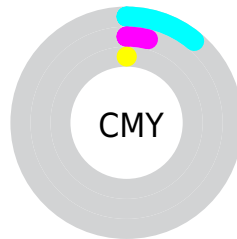
- Red (89%)
- Green (96%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6973, 89.0188, 107.4315 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 82.6973, 89.0188, 107.4315 by changing the saturation by 10% instead.

82.6973, 89.0188,
107.4315

82.6973, 89.0188,
107.4315

492.5764,
524.8339, 605.2140

62.2565, 67.1671,
81.8699

136.0822,
145.9747, 173.4735

45.4964, 49.2205,
60.7231

169.7570,
181.8477, 214.7910

32.0515, 34.7944,
43.5726

208.5738,
223.1634, 262.1974

21.5566, 23.5045,
29.9999

252.8981,
270.3059, 316.1115

13.6462, 14.9665,
19.5865

303.0951,
323.6599, 376.9516

7.9551, 8.7959,
11.9137

359.5303,

4.1178, 4.6083,

383.6096, 445.1364

6.5631

422.5689,
450.5394, 521.0843

■ 1.7690, 2.0193,
3.1162

■ 0.4989, 0.6187,
1.1542

■ 82.6973, 89.0188,
107.4315

■ 82.6973, 89.0188,
107.4315

■ 72.4137, 79.5876,
106.1531

94.3244, 99.3637,
108.8154

■ 63.4124, 71.0283,
104.9754

95.0500, 100.0000,
108.9000

■ 55.6377, 63.3111,
103.8956

■ 49.0268, 56.4004,
102.9101

■ 43.5108, 50.2572,
102.0151

■ 39.0131, 44.8386,
101.2062

■ 35.4461, 40.0957,
100.4788

■ 32.7051, 35.9710,
99.8271

■ 30.7250, 32.5700,
99.2750

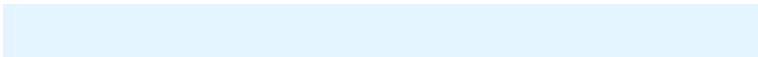
Harmonies

Analogous

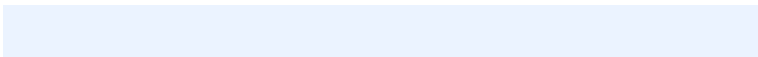
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2158, 89.0188, 103.0803



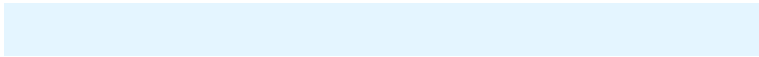
82.6973, 89.0188, 107.4315



84.7124, 89.0188, 108.9378

Triad

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



82.6973, 89.0188, 107.4315



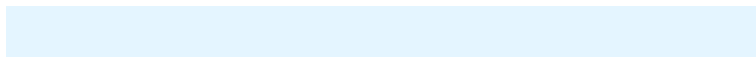
88.7059, 89.0188, 96.6325



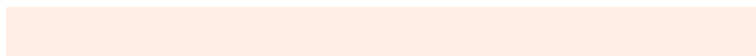
82.5223, 89.0188, 87.4036

Complementary

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



82.6973, 89.0188, 107.4315



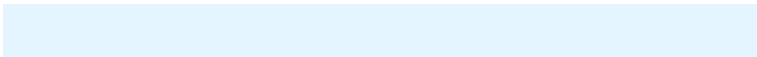
85.8174, 88.0087, 85.8646

Split Complementary

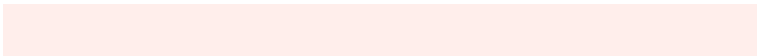
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5071, 89.0188, 85.8319



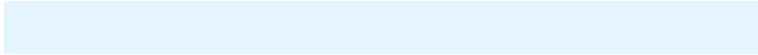
82.6973, 89.0188, 107.4315



88.0969, 89.0188, 91.0223

Square

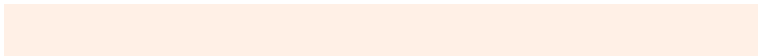
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



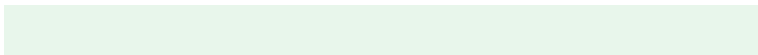
82.6973, 89.0188, 107.4315



88.2024, 89.0188, 102.5505



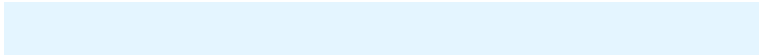
86.5514, 89.0188, 87.1294



81.1159, 89.0188, 91.5117

Rectangle

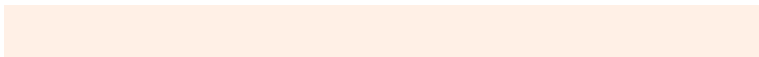
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6973, 89.0188, 107.4315



86.0938, 89.0188, 108.0786



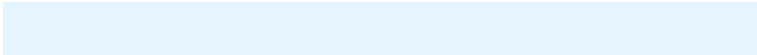
86.5514, 89.0188, 87.1294



83.1428, 89.0188, 86.5689

Sweetspot

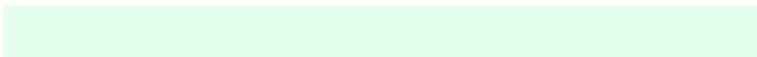
The Sweet Spot groups the original color and five complimentary colors.



82.6996, 89.0224, 107.4321



91.3945, 96.7842, 108.4720



83.1737, 94.1816, 94.6081



19.3576, 20.5349, 23.1933



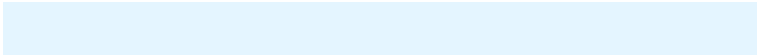
0.0000, 0.0000, 0.0000



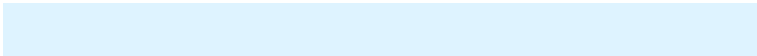
20.3446, 21.4041, 23.3091

Same Dimension

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



82.6996, 89.0224, 107.4321



80.0975, 86.6644, 107.1141



78.7902, 81.2036, 106.1289



17.9565, 19.2847, 23.0259



16.2022, 17.3140, 51.9226



1.6822, 1.8950, 5.0904

Inverse Universe

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



85.4662, 83.3409, 97.9724



83.4580, 79.8775, 95.5980



89.8662, 96.1063, 87.2142



18.4907, 18.1796, 21.2012



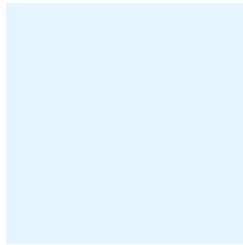
24.9663, 12.4758, 19.0049



2.4837, 1.2358, 2.1285

Previews

White Background



This preview shows how the XYZ color 82.6973, 89.0188, 107.4315 looks on a white background.

Color Contrast Check

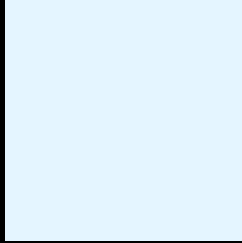
Large Text (above 18pt) WCAG AA × Fail

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 82.6973, 89.0188, 107.4315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

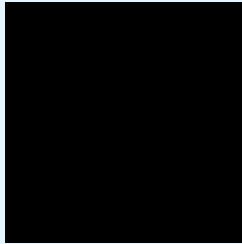
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

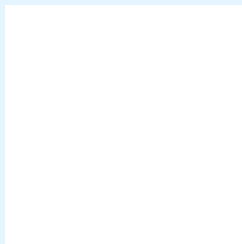
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.6973, 89.0188, 107.4315

Background



This preview shows how black text looks on a background with the XYZ color 82.6973, 89.0188, 107.4315.



This preview shows how white text looks on a background with the XYZ color 82.6973, 89.0188,

107.4315.

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

82.6973, 89.0188, 107.4315

Protanopia

85.9881, 88.9936, 104.7409

Deuteranopia

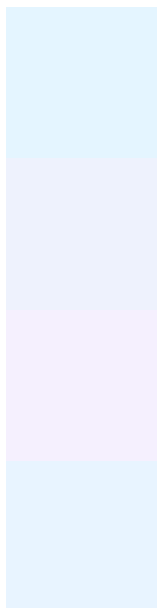
89.4136, 88.9841, 106.2290



Tritanopia

84.3615, 88.9834, 107.3369

Trichromacy



Original Color

82.6973, 89.0188, 107.4315

Protanomaly

84.7416, 88.7733, 105.5971

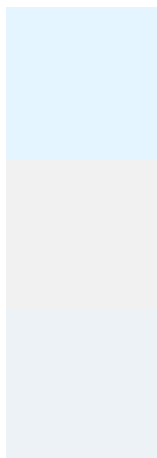
Deuteranomaly

86.7057, 88.8884, 106.3532

Tritanomaly

83.6794, 89.0772, 107.3910

Monochromacy



Original Color

82.6973, 89.0188, 107.4315

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.9788, 87.9909, 99.7993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.6973, 89.0188, 107.4315 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(228, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 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(228, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.6973, 89.0188, 107.4315 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(228, 245, 255) }
```


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

```
.border{ border-color:rgb(228, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6973, 89.0188, 107.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 255) }
```

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

```
.background{ background-color: rgb(228,  
245, 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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