

Converting Colors

XYZ(85.6673, 92.1402,
121.5891)

Have a look what the booklet for
XYZ(85.6673, 92.1402, 121.5891)
contains.

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Color

**XYZ(82.9770, 90.9789,
107.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F9FF
RGB	225, 249, 255
RGB Percent	88%, 98%, 100%
CMY	0.1176, 0.0235, 0.0000
CMYK	0.12, 0.02, 0.00, 0.00
HSL	192°, 100%, 94%
HSV	192°, 12%, 100%
XYZ	82.9770, 90.9789, 107.7951
YIQ	242.5080, -16.2300, -3.2220

Conversions

Conversions Part 2

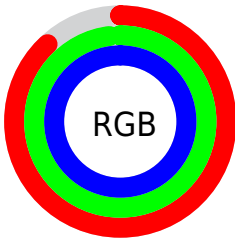
Format	Color
R _Y B	225, 238, 255
Decimal	14809599
CIE Lab	96.40, -6.62, -5.54
CIE LCh	96, 8.629, 219.911
Yxy	90.9789, 0.2945, 0.3229
Android (android.graphics.Color)	4292999679 (0xFFE1F9FF)
YUV	242.5080, 6.1586, -15.3545
Hunter-Lab	95.3829, -11.6364, -0.2374

Details

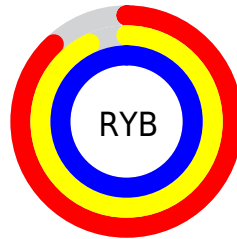
The XYZ color **82.9770, 90.9789, 107.7951** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4059, 83.8464, 83.0237**, and the grayscale version is **84.7645, 89.1789, 97.1158**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8406, 50.7632, 60.8083** is the 20% darker color. If you saturate the color by 10%, you get **74.0601, 84.0779, 106.9330**, and if you desaturate by 10%, it is **93.1285, 98.5847, 108.7281**.

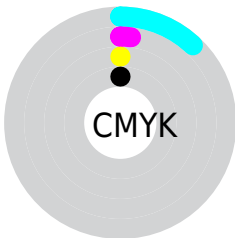
Distribution



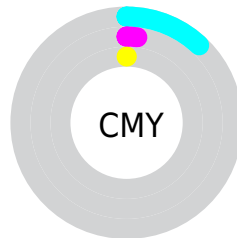
- Red (88%)
- Green (98%)
- Blue (100%)



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



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9770, 90.9789, 107.7951 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 82.9770, 90.9789, 107.7951 by changing the saturation by 10% instead.

82.9770, 90.9789,
107.7951

82.9770, 90.9789,
107.7951

493.4950,
531.2101, 606.3646

62.4880, 68.7928,
82.1733

136.4719,
148.6974, 173.9739

45.6842, 50.5430,
60.9717

170.2086,
184.9986, 215.3679

32.2003, 35.8450,
43.7719

209.0919,
226.7736, 262.8563

21.6708, 24.3145,
30.1554

253.4872,
274.4069, 316.8578

13.7305, 15.5671,
19.7035

303.7597,
328.2828, 377.7908

8.0139, 9.2184,
11.9978

360.2750,

4.1557, 4.8839,

388.7856, 446.0739

6.6196

423.3983,
456.2999, 522.1257

■ 1.7906, 2.1793,
3.1506

■ 0.5120, 0.7087,
1.1720

■ 82.9770, 90.9789,
107.7951

■ 82.9770, 90.9789,
107.7951

■ 74.0601, 84.0779,
106.9330

■ 93.1285, 98.5847,
108.7281

■ 66.3181, 77.8429,
106.1376

95.0500, 100.0000,
108.9000

■ 59.6964, 72.2480,
105.4067

■ 54.1336, 67.2609,
104.7372

■ 49.5620, 62.8461,
104.1261

■ 45.9059, 58.9642,
103.5695

■ 43.0780, 55.5697,
103.0633

■ 40.9735, 52.6078,
102.6025

■ 39.6529, 50.4257,
102.2510

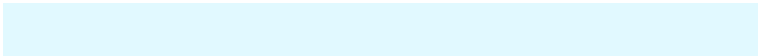
Harmonies

Analogous

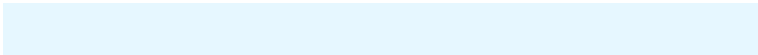
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0008, 90.9789, 101.3556



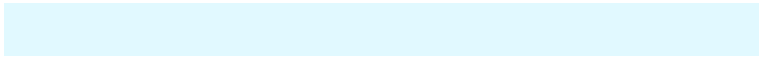
82.9770, 90.9789, 107.7951



84.8955, 90.9789, 112.0145

Triad

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



82.9770, 90.9789, 107.7951



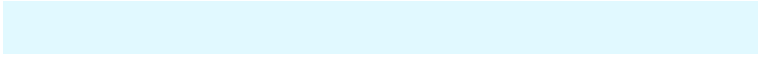
90.8849, 90.9789, 103.6753



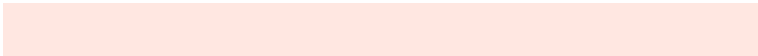
85.6799, 90.9789, 86.5893

Complementary

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



82.9770, 90.9789, 107.7951



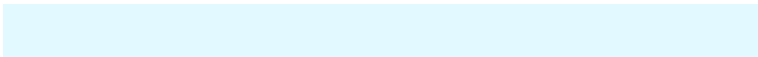
83.4059, 83.8464, 83.0237

Split Complementary

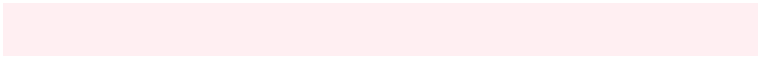
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0694, 90.9789, 87.1459



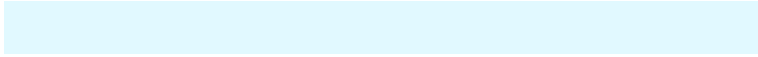
82.9770, 90.9789, 107.7951



91.1043, 90.9789, 96.8004

Square

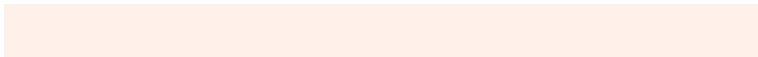
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9770, 90.9789, 107.7951



89.4711, 90.9789, 109.5606



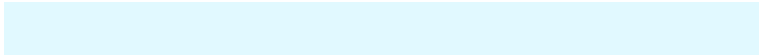
90.0653, 90.9789, 90.8111



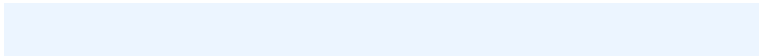
83.5421, 90.9789, 89.2538

Rectangle

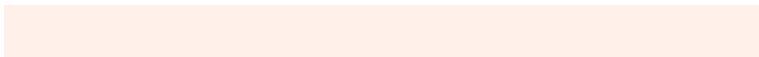
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



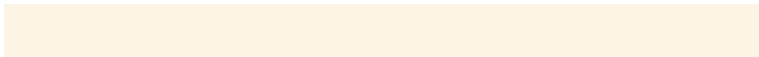
82.9770, 90.9789, 107.7951



86.4656, 90.9789, 112.8905



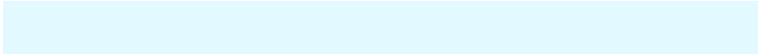
90.0653, 90.9789, 90.8111



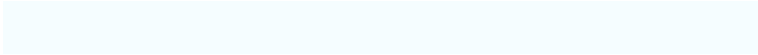
86.4799, 90.9789, 86.4089

Sweetspot

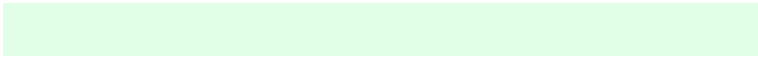
The Sweet Spot groups the original color and five complimentary colors.



82.9794, 90.9826, 107.7957



90.7496, 96.8229, 108.5134



81.1655, 93.2693, 88.9578



19.2559, 20.5990, 23.2110



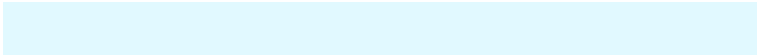
0.0000, 0.0000, 0.0000



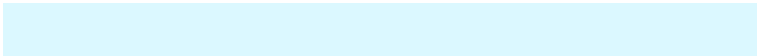
20.3446, 21.4041, 23.3091

Same Dimension

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



82.9794, 90.9826, 107.7957



80.8799, 89.3790, 107.5968



78.6678, 82.3595, 106.3585



18.2284, 19.8284, 23.1165



20.8279, 26.5654, 53.4645



2.1026, 2.7359, 5.2305

Inverse Universe

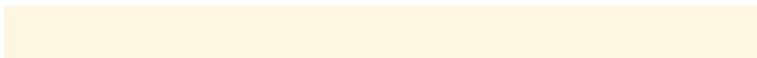
The Inverse Universe completely reimagines the original color for something new.



85.2655, 81.9515, 100.9512



83.5723, 78.8487, 99.5125



87.6350, 92.3045, 84.4334



18.6279, 18.2345, 21.9238



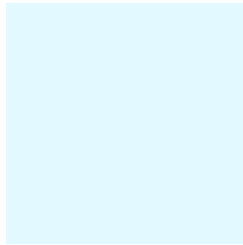
27.3012, 13.4098, 31.3001



2.6959, 1.3207, 3.2460

Previews

White Background



This preview shows how the XYZ color 82.9770, 90.9789, 107.7951 looks on a white background.

Color Contrast Check

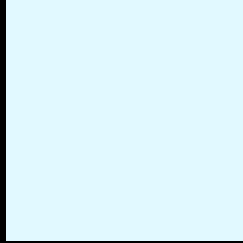
Large Text (above 18pt) WCAG AA × Fail

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 82.9770, 90.9789, 107.7951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

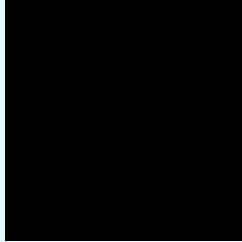
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.9770, 90.9789, 107.7951

Background



This preview shows how black text looks on a background with the XYZ color 82.9770, 90.9789, 107.7951.

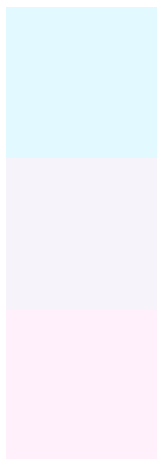


This preview shows how white text looks on a background with the XYZ color 82.9770, 90.9789,

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

82.9770, 90.9789, 107.7951

Protanopia

87.4692, 90.6590, 104.1556

Deuteranopia

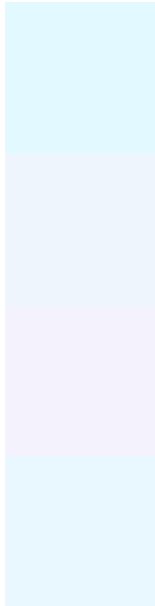
89.9708, 90.6085, 104.8427



Tritanopia

85.9308, 91.1361, 107.6697

Trichromacy



Original Color

82.9770, 90.9789, 107.7951

Protanomaly

85.4830, 90.5102, 105.0602

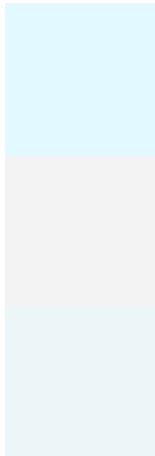
Deuteranomaly

87.0884, 90.4261, 105.7924

Tritanomaly

84.9150, 91.0652, 107.7096

Monochromacy



Original Color

82.9770, 90.9789, 107.7951

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.0330, 89.8531, 100.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9770, 90.9789, 107.7951 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 249, 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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.9770, 90.9789, 107.7951 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, 249, 255) }
```


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

```
.border{ border-color:rgb(225, 249, 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, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9770, 90.9789, 107.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 249, 255) }
```

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

```
.background{ background-color: rgb(225,  
249, 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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