

Converting Colors

XYZ(85.7788, 100.0000,
107.6637)

Have a look what the booklet for
XYZ(85.7788, 100.0000, 107.6637)
contains.

XYZ(82.7030, 93.6719, 106.6501)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(82.7030, 93.6719,
106.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFFD
RGB	219, 255, 253
RGB Percent	86%, 100%, 99%
CMY	0.1412, 0.0000, 0.0078
CMYK	0.14, 0.00, 0.01, 0.00
HSL	177°, 100%, 93%
HSV	177°, 14%, 100%
XYZ	82.7030, 93.6719, 106.6501
YIQ	244.0080, -20.8140, -8.2540

Conversions

Conversions Part 2

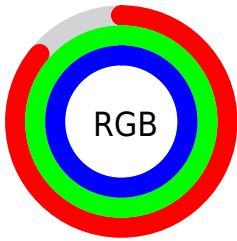
Format	Color
R _Y B	219, 238, 255
Decimal	14417917
CIE Lab	97.50, -11.88, -2.93
CIE LCh	97, 12.236, 193.875
Yxy	93.6719, 0.2922, 0.3310
Android (android.graphics.Color)	4292607997 (0xFFDBFFFD)
YUV	244.0080, 4.4331, -21.9320
Hunter-Lab	96.7842, -16.8426, 2.4152

Details

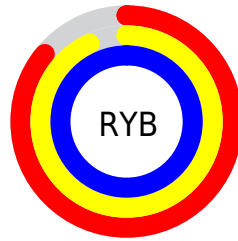
The XYZ color **82.7030, 93.6719, 106.6501** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.6233, 77.1446, 79.1007**, and the grayscale version is **85.9727, 90.4500, 98.5001**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4677, 52.2662, 59.9165** is the 20% darker color. If you saturate the color by 10%, you get **75.3857, 89.9256, 105.1363**, and if you desaturate by 10%, it is **91.1990, 98.0256, 108.2308**.

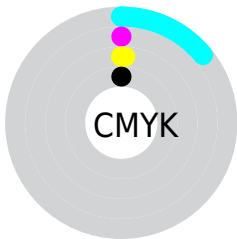
Distribution



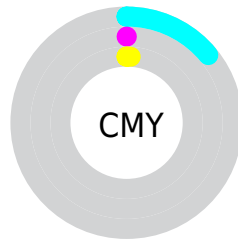
- Red (86%)
- Green (100%)
- Blue (99%)



- Red (86%)
- Yellow (93%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7030, 93.6719, 106.6501 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 82.7030, 93.6719, 106.6501 by changing the saturation by 10% instead.

82.7030, 93.6719,
106.6501

82.7030, 93.6719,
106.6501

492.5951,
539.9044, 602.7374

62.2613, 71.0301,
81.2181

136.0901,
152.4285, 172.3976

45.5002, 52.3668,
60.1892

169.7662,
189.3121, 213.5502

32.0546, 37.2975,
43.1448

208.5844,
231.7117, 260.7801

21.5589, 25.4379,
29.6665

252.9101,
280.0118, 314.5058

13.6480, 16.4036,
19.3357

303.1087,
334.5967, 375.1458

7.9563, 9.8102,
11.7338

359.5454,

4.1186, 5.2733,

395.8509, 443.1187

6.4424

422.5858,
464.1586, 518.8431

■ 1.7694, 2.4085,
3.0428

■ 0.4991, 0.8303,
1.1165

■ 82.7030, 93.6719,
106.6501

■ 82.7030, 93.6719,
106.6501

■ 75.3857, 89.9256,
105.1363

■ 91.1990, 98.0256,
108.2308

■ 69.1910, 86.7579,
103.6822

95.0500, 100.0000,
108.9000

■ 64.0624, 84.1396,
102.2867

■ 59.9374, 82.0385,
100.9469

■ 56.7470, 80.4189,
99.6595

■ 54.4135, 79.2409,
98.4208

■ 52.8465, 78.4580,
97.2266

■ 51.9357, 78.0130,
96.0718

■ 51.6141, 77.8616,
95.4064

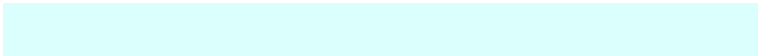
Harmonies

Analogous

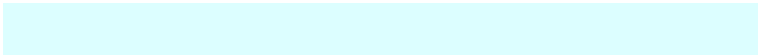
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7676, 93.6719, 96.7710



82.7030, 93.6719, 106.6501



84.3030, 93.6719, 115.8363

Triad

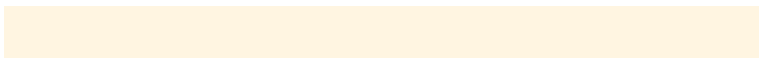
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7030, 93.6719, 106.6501



93.7433, 93.6719, 116.4153



90.9006, 93.6719, 84.6950

Complementary

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



82.7030, 93.6719, 106.6501



79.6233, 77.1446, 79.1007

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.



93.9353, 93.6719, 89.2986



82.7030, 93.6719, 106.6501



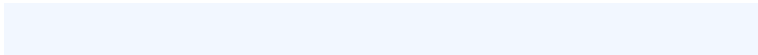
95.6054, 93.6719, 107.3991

Square

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



82.7030, 93.6719, 106.6501



90.6440, 93.6719, 121.7172



95.6766, 93.6719, 97.4731



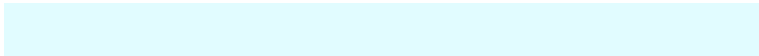
87.4399, 93.6719, 84.5234

Rectangle

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



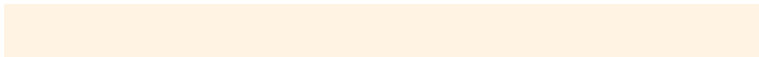
82.7030, 93.6719, 106.6501



86.1230, 93.6719, 120.1530



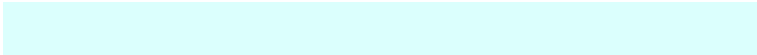
95.6766, 93.6719, 97.4731



92.0064, 93.6719, 85.7613

Sweetspot

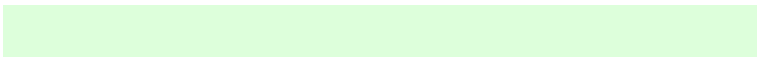
The Sweet Spot groups the original color and five complimentary colors.



82.7040, 93.6724, 106.6516



91.3054, 98.0801, 108.2496



78.4878, 92.0699, 80.6539



19.3971, 20.9183, 23.1439



0.0000, 0.0000, 0.0000



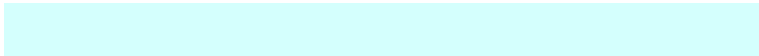
20.3446, 21.4041, 23.3091

Same Dimension

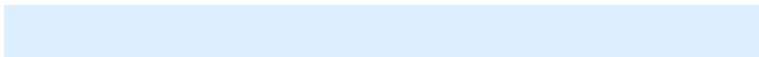
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7040, 93.6724, 106.6516



80.4755, 92.5311, 106.2083



78.2481, 84.2484, 106.7452



18.5087, 20.4630, 22.9820



26.9883, 40.6919, 49.9513



2.6405, 3.9671, 4.9309

Inverse Universe

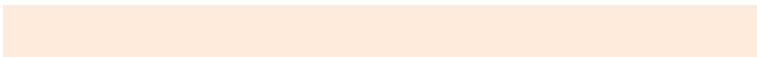
The Inverse Universe completely reimagines the original color for something new.



79.6233, 77.1446, 79.1007



76.8409, 73.0301, 73.7023



83.6208, 85.5632, 79.1274



18.0502, 18.0034, 18.8818



21.6070, 11.1321, 1.3150



2.1175, 1.0894, 0.2003

Previews

White Background



This preview shows how the XYZ color 82.7030, 93.6719, 106.6501 looks on a white background.

Color Contrast Check

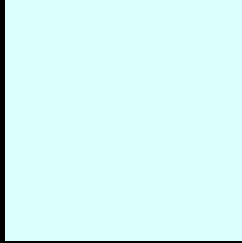
Large Text (above 18pt) WCAG AA × Fail

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 82.7030, 93.6719, 106.6501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

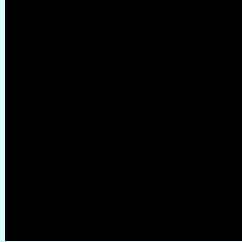
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.7030, 93.6719, 106.6501

Background



This preview shows how black text looks on a background with the XYZ color 82.7030, 93.6719, 106.6501.



This preview shows how white text looks on a background with the XYZ color 82.7030, 93.6719,

Color Blindness Simulation

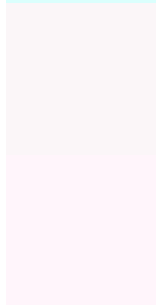
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

82.7030, 93.6719, 106.6501



Protanopia

89.6827, 93.1981, 102.0692

Deuteranopia

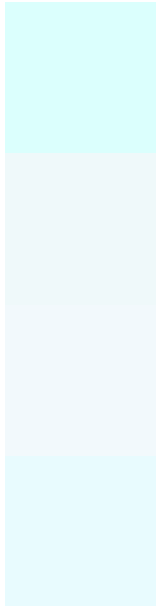
91.3050, 93.5299, 104.5076



Tritanopia

87.8609, 93.4966, 108.0236

Trichromacy



Original Color

82.7030, 93.6719, 106.6501

Protanomaly

86.7276, 93.0042, 103.8231

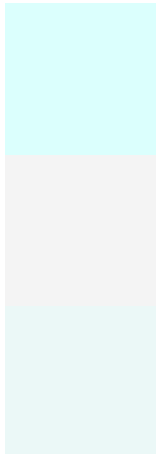
Deuteranomaly

88.0643, 93.6569, 105.5316

Tritanomaly

85.6653, 93.3059, 107.2607

Monochromacy



Original Color

82.7030, 93.6719, 106.6501

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.6169, 91.5124, 101.1996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7030, 93.6719, 106.6501 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(219, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 253)  
}
```

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(219, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 82.7030, 93.6719, 106.6501 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(219, 255, 253) }
```


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

```
.border{ border-color:rgb(219, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7030, 93.6719, 106.6501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 253) }
```

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

```
.background{ background-color: rgb(219,  
255, 253) }
```

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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