

Converting Colors

XYZ(82.1300, 93.4531,
103.1609)

Have a look what the booklet for
XYZ(82.1300, 93.4531, 103.1609)
contains.

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Color

**XYZ(82.0723, 93.4196,
103.3287)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFF9
RGB	219, 255, 249
RGB Percent	86%, 100%, 98%
CMY	0.1412, 0.0000, 0.0235
CMYK	0.14, 0.00, 0.02, 0.00
HSL	170°, 100%, 93%
HSV	170°, 14%, 100%
XYZ	82.0723, 93.4196, 103.3287
YIQ	243.5520, -19.5300, -9.4980

Conversions

Conversions Part 2

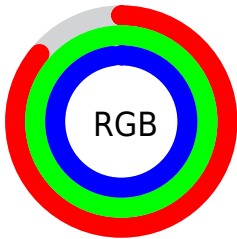
Format	Color
R _Y B	219, 239, 255
Decimal	14417913
CIE Lab	97.40, -12.66, -1.03
CIE LCh	97, 12.698, 184.637
Yxy	93.4196, 0.2944, 0.3351
Android (android.graphics.Color)	4292607993 (0xFFDBFFF9)
YUV	243.5520, 2.6859, -21.5321
Hunter-Lab	96.6538, -17.5733, 4.2731

Details

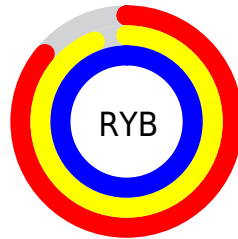
The XYZ color **82.0723, 93.4196, 103.3287** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1628, 77.3605, 81.9414**, and the grayscale version is **85.6213, 90.0803, 98.0974**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1296, 52.1309, 58.1358** is the 20% darker color. If you saturate the color by 10%, you get **74.3243, 89.5011, 99.5467**, and if you desaturate by 10%, it is **91.0124, 97.9509, 107.2477**.

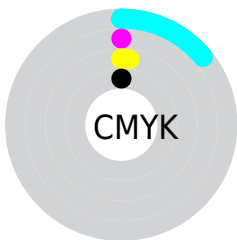
Distribution



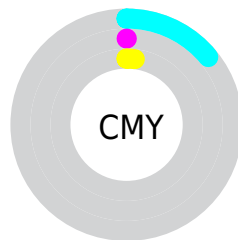
- Red (86%)
- Green (100%)
- Blue (98%)



- Red (86%)
- Yellow (94%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0723, 93.4196, 103.3287 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 82.0723, 93.4196, 103.3287 by changing the saturation by 10% instead.

82.0723, 93.4196,
103.3287

82.0723, 93.4196,
103.3287

490.5203,
539.0930, 592.1505

61.7394, 70.8203,
78.4511

135.2107,
152.0794, 167.8157

45.0770, 52.1956,
57.9259

168.7469,
188.9087, 208.2622

31.7196, 37.1610,
41.3348

207.4150,
231.2501, 254.7354

21.3019, 25.3322,
28.2591

251.5802,
279.4881, 307.6538

13.4586, 16.3247,
18.2803

301.6081,
334.0070, 367.4359

7.8243, 9.7542,
10.9799

357.8638,

4.0336, 5.2363,

395.1912, 434.5004

5.9393

420.7127,
463.4250, 509.2657

■ 1.7211, 2.3866,
2.7400

■ 0.4694, 0.8190,
0.9635

■ 82.0723, 93.4196,
103.3287

■ 82.0723, 93.4196,
103.3287

■ 74.3243, 89.5011,
99.5467

■ 91.0124, 97.9509,
107.2477

■ 67.7121, 86.1663,
95.8941

95.0500, 100.0000,
108.9000

■ 62.1791, 83.3863,
92.3693

■ 57.6628, 81.1286,
88.9687

■ 54.0940, 79.3577,
85.6887

■ 51.3948, 78.0335,
82.5250

■ 49.4751, 77.1094,
79.4729

■ 48.2241, 76.5284,
76.5267

■ 47.7082, 76.2993,
74.8383

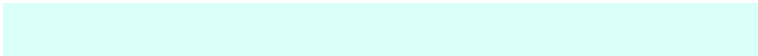
Harmonies

Analogous

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



82.6852, 93.4196, 93.4629



82.0723, 93.4196, 103.3287



83.2199, 93.4196, 113.4032

Triad

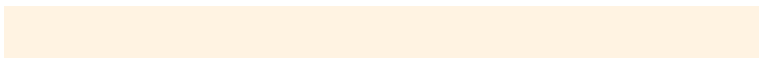
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0723, 93.4196, 103.3287



92.7840, 93.4196, 118.9106



91.7898, 93.4196, 84.8405

Complementary

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



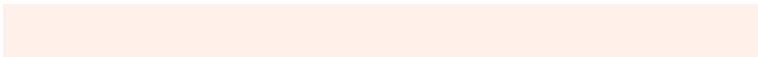
82.0723, 93.4196, 103.3287



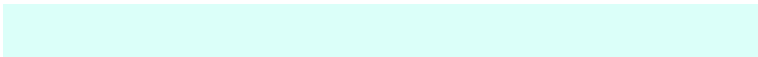
80.1628, 77.3605, 81.9414

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.



94.6086, 93.4196, 90.8645



82.0723, 93.4196, 103.3287



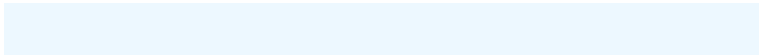
95.1934, 93.4196, 110.4455

Square

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



82.0723, 93.4196, 103.3287



89.3531, 93.4196, 122.7776



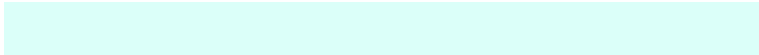
95.8699, 93.4196, 100.1243



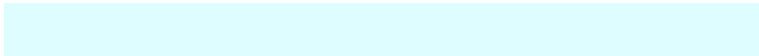
88.2343, 93.4196, 83.2159

Rectangle

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



82.0723, 93.4196, 103.3287



84.8475, 93.4196, 118.7509



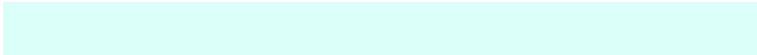
95.8699, 93.4196, 100.1243



92.8580, 93.4196, 86.3971

Sweetspot

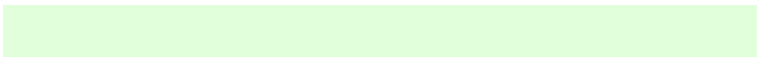
The Sweet Spot groups the original color and five complimentary colors.



82.0733, 93.4201, 103.3302



91.1240, 98.0075, 107.2942



79.5984, 92.6424, 80.7059



19.3510, 20.8999, 22.9013



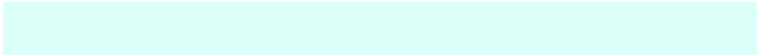
0.0000, 0.0000, 0.0000



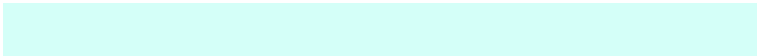
20.3446, 21.4041, 23.3091

Same Dimension

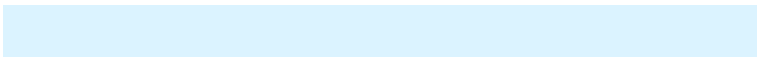
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0733, 93.4201, 103.3302



79.7192, 92.2286, 102.2257



79.3149, 86.3820, 107.1008



18.4172, 20.4264, 22.5001



24.9767, 39.8873, 39.3580



2.4649, 3.8969, 4.0058

Inverse Universe

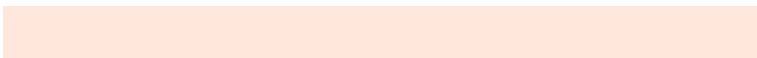
The Inverse Universe completely reimagines the original color for something new.



80.1628, 77.3605, 81.9414



77.4656, 73.2800, 76.9919



82.6028, 83.5272, 78.7881



18.1328, 18.0364, 19.3166



21.8077, 11.2124, 2.3719



2.1564, 1.1049, 0.4049

Previews

White Background



This preview shows how the XYZ color 82.0723, 93.4196, 103.3287 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 82.0723, 93.4196, 103.3287 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

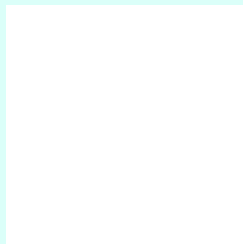
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0723, 93.4196, 103.3287

Background



This preview shows how black text looks on a background with the XYZ color 82.0723, 93.4196, 103.3287.



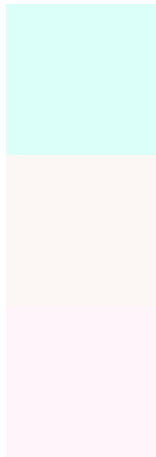
This preview shows how white text looks on a background with the XYZ color 82.0723, 93.4196,

103.3287.

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

82.0723, 93.4196, 103.3287

Protanopia

89.4298, 93.1386, 98.8520

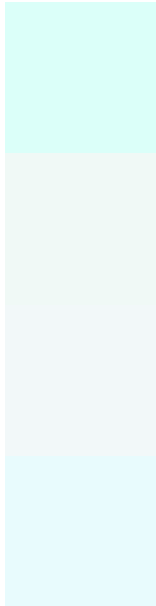
Deuteranopia

90.6896, 92.8009, 102.7550

Tritanopia

87.5526, 92.8801, 107.9209

Trichromacy



Original Color

82.0723, 93.4196, 103.3287

Protanomaly

86.4454, 92.9304, 100.5700

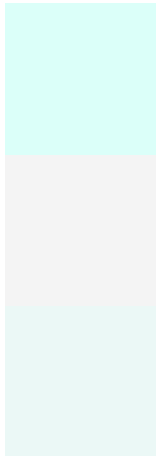
Deuteranomaly

87.2842, 92.8516, 102.9443

Tritanomaly

85.5055, 93.2420, 106.4194

Monochromacy



Original Color

82.0723, 93.4196, 103.3287

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.4629, 91.4508, 100.3889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0723, 93.4196, 103.3287 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 82.0723, 93.4196, 103.3287 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, 249) }
```


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

```
.border{ border-color:rgb(219, 255, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0723, 93.4196, 103.3287 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, 249) }
```

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

```
.background{ background-color: rgb(219,  
255, 249) }
```

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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