

Converting Colors

XYZ(86.1270, 100.0000,
104.6170)

Have a look what the booklet for
XYZ(86.1270, 100.0000, 104.6170)
contains.

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Color

**XYZ(82.9831, 93.8891,
103.3713)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFF9
RGB	222, 255, 249
RGB Percent	87%, 100%, 98%
CMY	0.1294, 0.0000, 0.0235
CMYK	0.13, 0.00, 0.02, 0.00
HSL	169°, 100%, 94%
HSV	169°, 13%, 100%
XYZ	82.9831, 93.8891, 103.3713
YIQ	244.4490, -17.7420, -8.8620

Conversions

Conversions Part 2

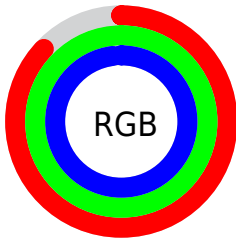
Format	Color
R _Y B	222, 240, 255
Decimal	14614521
CIE Lab	97.59, -11.72, -0.73
CIE LCh	98, 11.741, 183.548
Yxy	93.8891, 0.2961, 0.3350
Android (android.graphics.Color)	4292804601 (0xFFDEFFF9)
YUV	244.4490, 2.2436, -19.6878
Hunter-Lab	96.8964, -16.6994, 4.5755

Details

The XYZ color **82.9831, 93.8891, 103.3713** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.3655, 79.1052, 84.3795**, and the grayscale version is **86.3411, 90.8376, 98.9221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7561, 52.4539, 58.1651** is the 20% darker color. If you saturate the color by 10%, you get **75.0407, 89.8772, 99.2730**, and if you desaturate by 10%, it is **92.1265, 98.5181, 107.6218**.

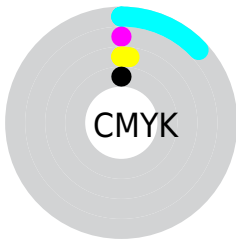
Distribution



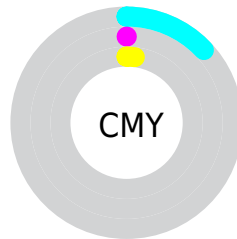
- Red (87%)
- Green (100%)
- Blue (98%)



- Red (87%)
- Yellow (94%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9831, 93.8891, 103.3713 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 82.9831, 93.8891, 103.3713 by changing the saturation by 10% instead.


 82.9831, 93.8891,
103.3713

 82.9831, 93.8891,
103.3713


493.5150,
540.6024, 592.2869

 62.4931, 71.2107,
78.4865


136.4804,
152.7290, 167.8746

 45.6883, 52.5142,
57.9549


170.2185,
189.6592, 208.3302

 32.2035, 37.4151,
41.3579


209.1032,
232.1089, 254.8131

 21.6733, 25.5290,
28.2771

253.5000,
280.4624, 307.7419

 13.7323, 16.4716,
18.2938

303.7742,
335.1041, 367.5352

 8.0152, 9.8585,
10.9895

360.2912,

 4.1565, 5.3052,

396.4184, 434.6114

5.9457

423.4164,
464.7897, 509.3891

■ 1.7911, 2.4275,
2.7438

■ 0.5123, 0.8400,
0.9654

■ 82.9831, 93.8891,
103.3713

■ 82.9831, 93.8891,
103.3713

■ 75.0407, 89.8772,
99.2730

■ 92.1265, 98.5181,
107.6218

■ 68.2434, 86.4535,
95.3194

95.0500, 100.0000,
108.9000

■ 62.5351, 83.5892,
91.5084

■ 57.8538, 81.2523,
87.8367

■ 54.1313, 79.4077,
84.3003

■ 51.2909, 78.0159,
80.8949

■ 49.2440, 77.0311,
77.6157

■ 47.8830, 76.3980,
74.4569

■ 47.2250, 76.1060,
72.2939

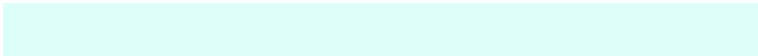
Harmonies

Analogous

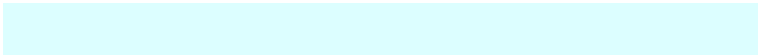
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6133, 93.8891, 94.2557



82.9831, 93.8891, 103.3713



83.9943, 93.8891, 112.7308

Triad

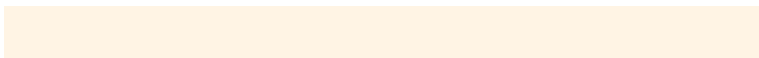
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9831, 93.8891, 103.3713



92.8340, 93.8891, 118.3317



92.1293, 93.8891, 86.6353

Complementary

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



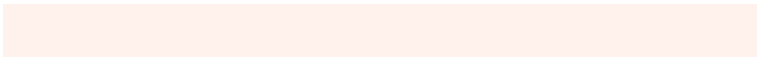
82.9831, 93.8891, 103.3713



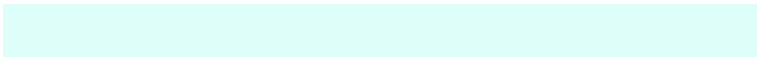
81.3655, 79.1052, 84.3795

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.



94.6971, 93.8891, 92.4011



82.9831, 93.8891, 103.3713



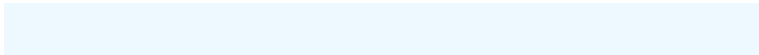
95.1110, 93.8891, 110.6403

Square

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



82.9831, 93.8891, 103.3713



89.6367, 93.8891, 121.7008



95.8012, 93.8891, 101.0957



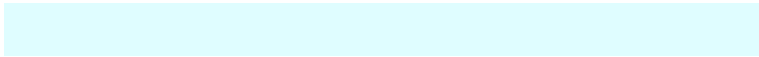
88.8421, 93.8891, 84.9540

Rectangle

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



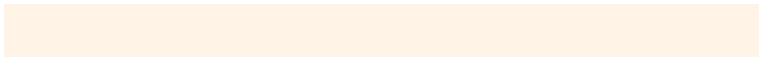
82.9831, 93.8891, 103.3713



85.4783, 93.8891, 117.7434



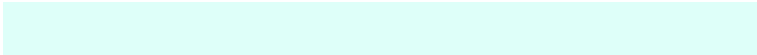
95.8012, 93.8891, 101.0957



93.1079, 93.8891, 88.1416

Sweetspot

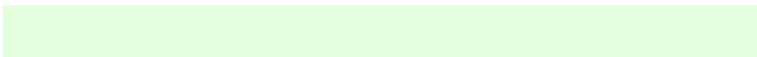
The Sweet Spot groups the original color and five complimentary colors.



82.9841, 93.8896, 103.3728



91.0993, 97.9977, 107.1644



80.9565, 93.2965, 82.8500



19.3448, 20.8974, 22.8683



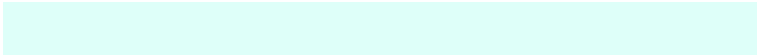
0.0000, 0.0000, 0.0000



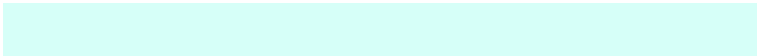
20.3446, 21.4041, 23.3091

Same Dimension

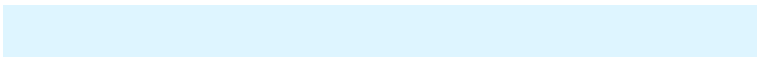
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9841, 93.8896, 103.3728



80.4287, 92.5977, 102.1027



80.6916, 87.7833, 107.2987



18.4048, 20.4215, 22.4349



24.7273, 39.7875, 38.0450



2.4428, 3.8881, 3.8897

Inverse Universe

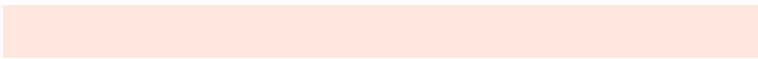
The Inverse Universe completely reimagines the original color for something new.



81.3655, 79.1052, 84.3795



78.4707, 74.7078, 79.1222



83.4090, 84.5018, 81.0232



18.1442, 18.0410, 19.3764



21.8487, 11.2288, 2.5876



2.1620, 1.1072, 0.4345

Previews

White Background



This preview shows how the XYZ color 82.9831, 93.8891, 103.3713 looks on a white background.

Color Contrast Check

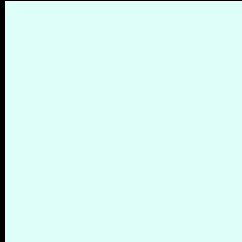
Large Text (above 18pt) WCAG AA × Fail

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 82.9831, 93.8891, 103.3713 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

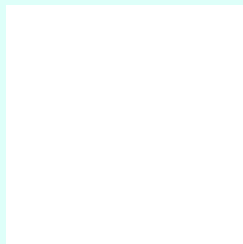
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.9831, 93.8891, 103.3713

Background



This preview shows how black text looks on a background with the XYZ color 82.9831, 93.8891, 103.3713.



This preview shows how white text looks on a background with the XYZ color 82.9831, 93.8891,

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

82.9831, 93.8891, 103.3713

Protanopia

89.7929, 93.3258, 98.8690

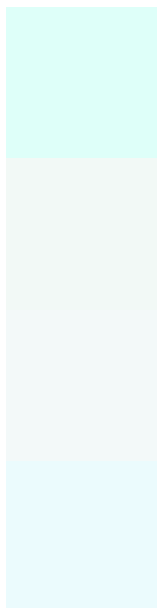
Deuteranopia

90.9913, 93.4044, 102.8556

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

82.9831, 93.8891, 103.3713

Protanomaly

87.1282, 93.2824, 100.6019

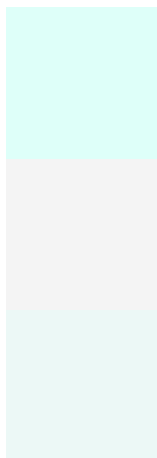
Deuteranomaly

87.9367, 93.6456, 103.0632

Tritanomaly

86.4878, 93.7484, 106.4654

Monochromacy



Original Color

82.9831, 93.8891, 103.3713

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.7940, 91.6215, 100.4044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9831, 93.8891, 103.3713 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, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 82.9831, 93.8891, 103.3713 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, 255, 249) }
```


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

```
.border{ border-color:rgb(222, 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(222, 255, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9831, 93.8891, 103.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 249) }
```

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

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