

Converting Colors

XYZ(81.2830, 93.0180,
103.0541)

Have a look what the booklet for
XYZ(81.2830, 93.0180, 103.0541)
contains.

XYZ(81.4742, 93.1113, 103.3007)	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(81.4742, 93.1113,
103.3007)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFF9
RGB	217, 255, 249
RGB Percent	85%, 100%, 98%
CMY	0.1490, 0.0000, 0.0235
CMYK	0.15, 0.00, 0.02, 0.00
HSL	171°, 100%, 93%
HSV	171°, 15%, 100%
XYZ	81.4742, 93.1113, 103.3007
YIQ	242.9540, -20.7220, -9.9220

Conversions

Conversions Part 2

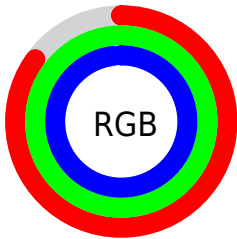
Format	Color
R_{YB}	217, 238, 255
Decimal	14286841
CIE Lab	97.27, -13.28, -1.22
CIE LCh	97, 13.333, 185.268
Yxy	93.1113, 0.2932, 0.3351
Android (android.graphics.Color)	4292476921 (0xFFD9FFF9)
YUV	242.9540, 2.9807, -22.7617
Hunter-Lab	96.4942, -18.1496, 4.0737

Details

The XYZ color **81.4742, 93.1113, 103.3007** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3728, 76.2147, 80.3399**, and the grayscale version is **85.1434, 89.5775, 97.5499**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7200, 51.9198, 58.1166** is the 20% darker color. If you saturate the color by 10%, you get **73.8503, 89.2528, 99.7026**, and if you desaturate by 10%, it is **90.2846, 97.5798, 107.0275**.

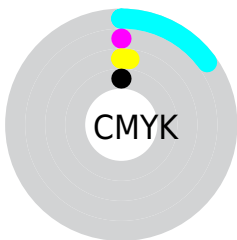
Distribution



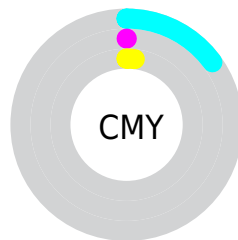
- Red (85%)
- Green (100%)
- Blue (98%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4742, 93.1113, 103.3007 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 81.4742, 93.1113, 103.3007 by changing the saturation by 10% instead.


 81.4742, 93.1113,
103.3007

 81.4742, 93.1113,
103.3007


488.5484,
538.1007, 592.0608

 61.2449, 70.5640,
78.4277


134.3761,
151.6527, 167.7771

 44.6761, 51.9865,
57.9069


167.7793,
188.4156, 208.2175

 31.4026, 36.9943,
41.3196

206.3046,
230.6858, 254.6843

 21.0589, 25.2031,
28.2473

250.3172,
278.8478, 307.5958

 13.2798, 16.2284,
18.2715

300.1825,
333.2858, 367.3707

 7.6998, 9.6859,
10.9736

356.2659,

 3.9537, 5.1912,

394.3844, 434.4275

5.9352

418.9328,
462.5279, 509.1847

■ 1.6759, 2.3599,
2.7375

■ 0.4411, 0.8051,
0.9622

■ 81.4742, 93.1113,
103.3007

■ 81.4742, 93.1113,
103.3007

■ 73.8503, 89.2528,
99.7026

■ 90.2846, 97.5798,
107.0275

■ 67.3563, 85.9752,
96.2257

95.0500, 100.0000,
108.9000

■ 61.9353, 83.2493,
92.8684

■ 57.5243, 81.0425,
89.6272

■ 54.0536, 79.3190,
86.4986

■ 51.4446, 78.0381,
83.4783

■ 49.6058, 77.1528,
80.5616

■ 48.4243, 76.6049,
77.7428

■ 47.9932, 76.4133,
76.3392

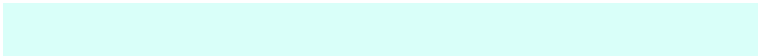
Harmonies

Analogous

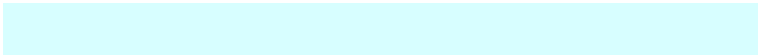
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0761, 93.1113, 92.9406



81.4742, 93.1113, 103.3007



82.7108, 93.1113, 113.8507

Triad

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



81.4742, 93.1113, 103.3007



92.7522, 93.1113, 119.2987



91.5678, 93.1113, 83.6676

Complementary

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



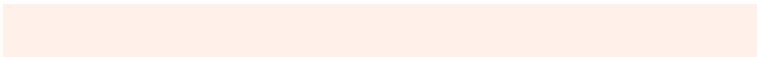
81.4742, 93.1113, 103.3007



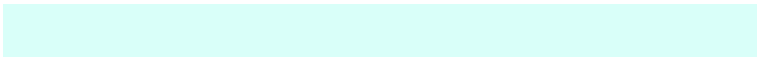
79.3728, 76.2147, 80.3399

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.



94.5522, 93.1113, 89.8593



81.4742, 93.1113, 103.3007



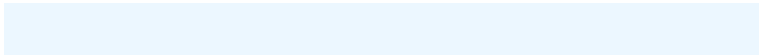
95.2496, 93.1113, 110.3205

Square

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



81.4742, 93.1113, 103.3007



89.1668, 93.1113, 123.4971



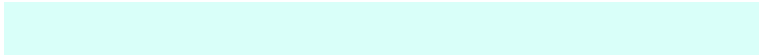
95.9175, 93.1113, 99.4880



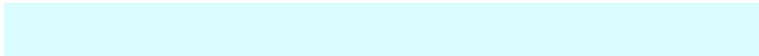
87.8355, 93.1113, 82.0791

Rectangle

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



81.4742, 93.1113, 103.3007



84.4325, 93.1113, 119.4227



95.9175, 93.1113, 99.4880



92.6950, 93.1113, 85.2570

Sweetspot

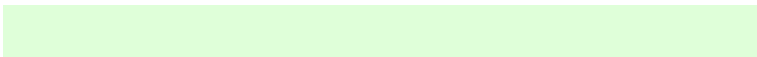
The Sweet Spot groups the original color and five complimentary colors.



81.4751, 93.1117, 103.3022



91.1383, 98.0132, 107.3694



78.8195, 92.2712, 79.3031



19.3546, 20.9013, 22.9204



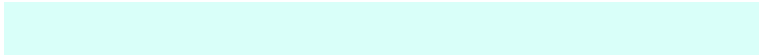
0.0000, 0.0000, 0.0000



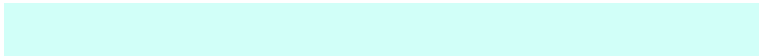
20.3446, 21.4041, 23.3091

Same Dimension

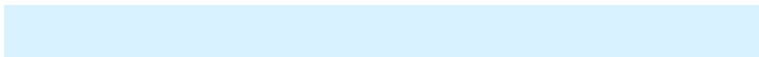
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4751, 93.1117, 103.3022



78.9880, 91.8520, 102.1734



78.5176, 85.6754, 107.0064



18.4244, 20.4293, 22.5378



25.1237, 39.9461, 40.1322



2.4778, 3.9021, 4.0742

Inverse Universe

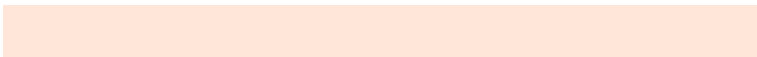
The Inverse Universe completely reimagines the original color for something new.



79.3728, 76.2147, 80.3399



76.5044, 71.8858, 75.0434



81.9693, 82.6790, 77.2856



18.1263, 18.0338, 19.2821



21.7856, 11.2035, 2.2553



2.1533, 1.1037, 0.3885

Previews

White Background



This preview shows how the XYZ color 81.4742, 93.1113, 103.3007 looks on a white background.

Color Contrast Check

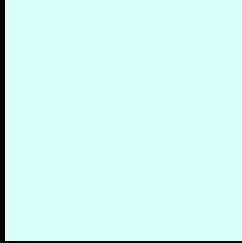
Large Text (above 18pt) WCAG AA × Fail

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 81.4742, 93.1113, 103.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

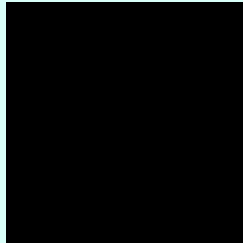
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.4742, 93.1113, 103.3007

Background



This preview shows how black text looks on a background with the XYZ color 81.4742, 93.1113, 103.3007.

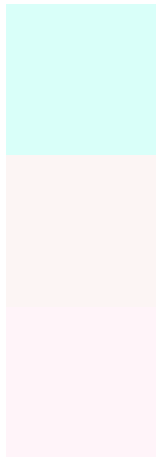


This preview shows how white text looks on a background with the XYZ color 81.4742, 93.1113,

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

81.4742, 93.1113, 103.3007

Protanopia

89.1264, 92.5319, 98.7509

Deuteranopia

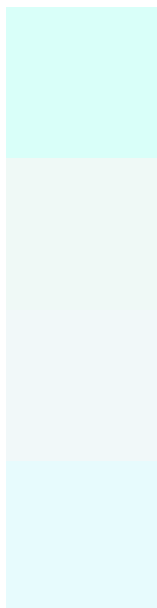
90.6896, 92.8009, 102.7550



Tritanopia

87.2140, 92.7055, 107.9050

Trichromacy



Original Color

81.4742, 93.1113, 103.3007

Protanomaly

86.1068, 92.7559, 100.5541

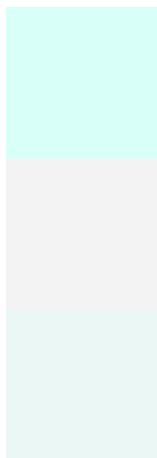
Deuteranomaly

86.9419, 92.6751, 102.9283

Tritanomaly

85.1818, 93.0751, 106.4042

Monochromacy



Original Color

81.4742, 93.1113, 103.3007

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.6739, 90.6065, 99.4649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4742, 93.1113, 103.3007 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(217, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 81.4742, 93.1113, 103.3007 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(217, 255, 249) }
```


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

```
.border{ border-color:rgb(217, 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(217, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 255, 249); box-shadow:4px 4px 4px 4px rgb(217, 255, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4742, 93.1113, 103.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 249) }
```

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

```
.background{ background-color: rgb(217,  
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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