

Converting Colors

XYZ(85.8524, 100.0000,
104.4413)

Have a look what the booklet for
XYZ(85.8524, 100.0000, 104.4413)
contains.

XYZ(82.6777, 93.7317, 103.3570)	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(82.6777, 93.7317,
103.3570)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFF9
RGB	221, 255, 249
RGB Percent	87%, 100%, 98%
CMY	0.1333, 0.0000, 0.0235
CMYK	0.13, 0.00, 0.02, 0.00
HSL	169°, 100%, 93%
HSV	169°, 13%, 100%
XYZ	82.6777, 93.7317, 103.3570
YIQ	244.1500, -18.3380, -9.0740

Conversions

Conversions Part 2

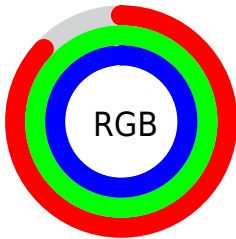
Format	Color
R _Y B	221, 240, 255
Decimal	14548985
CIE Lab	97.52, -12.03, -0.83
CIE LCh	98, 12.060, 183.932
Yxy	93.7317, 0.2955, 0.3350
Android (android.graphics.Color)	4292739065 (0xFFDDFFF9)
YUV	244.1500, 2.3910, -20.3026
Hunter-Lab	96.8151, -16.9920, 4.4743

Details

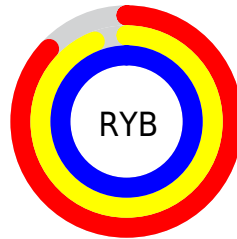
The XYZ color **82.6777, 93.7317, 103.3570** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9622, 78.5202, 83.5621**, and the grayscale version is **86.1008, 90.5847, 98.6467**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5456, 52.3454, 58.1552** is the 20% darker color. If you saturate the color by 10%, you get **74.8013, 89.7514, 99.3701**, and if you desaturate by 10%, it is **91.7520, 98.3276, 107.4906**.

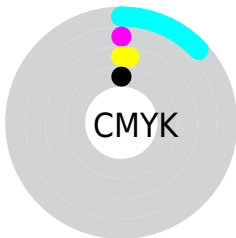
Distribution



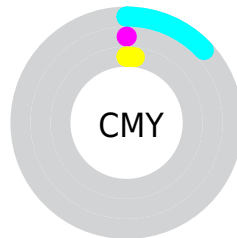
- Red (87%)
- Green (100%)
- Blue (98%)



- 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 82.6777, 93.7317, 103.3570 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 82.6777, 93.7317, 103.3570 by changing the saturation by 10% instead.


 82.6777, 93.7317,
103.3570

 82.6777, 93.7317,
103.3570


492.5119,
540.0966, 592.2411

 62.2403, 71.0798,
78.4746

136.0548,
152.5112, 167.8548

 45.4832, 52.4073,
57.9452


169.7253,
189.4077, 208.3074

 32.0411, 37.3299,
41.3502


208.5375,
231.8211, 254.7870

 21.5486, 25.4630,
28.2710

252.8568,
280.1359, 307.7123

 13.6403, 16.4223,
18.2893

303.0485,
334.7364, 367.5019

 7.9510, 9.8235,
10.9863

359.4780,

 4.1151, 5.2821,

396.0071, 434.5741

5.9435

422.5107,
464.3324, 509.3477

■ 1.7675, 2.4137,
2.7425

■ 0.4980, 0.8329,
0.9647

■ 82.6777, 93.7317,
103.3570

■ 82.6777, 93.7317,
103.3570

■ 74.8013, 89.7514,
99.3701

■ 91.7520, 98.3276,
107.4906

■ 68.0668, 86.3578,
95.5224

95.0500, 100.0000,
108.9000

■ 62.4180, 83.5220,
91.8119

■ 57.7927, 81.2120,
88.2353

■ 54.1224, 79.3923,
84.7886

■ 51.3300, 78.0234,
81.4677

■ 49.3263, 77.0592,
78.2676

■ 48.0028, 76.4438,
75.1828

■ 47.3942, 76.1737,
73.1848

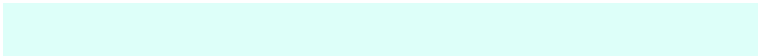
Harmonies

Analogous

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



83.3021, 93.7317, 93.9902



82.6777, 93.7317, 103.3570



83.7347, 93.7317, 112.9550

Triad

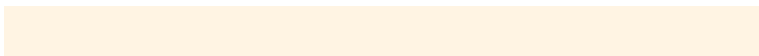
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6777, 93.7317, 103.3570



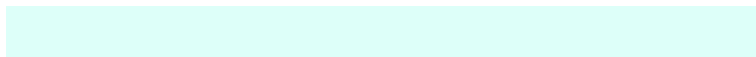
92.8170, 93.7317, 118.5243



92.0153, 93.7317, 86.0323

Complementary

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



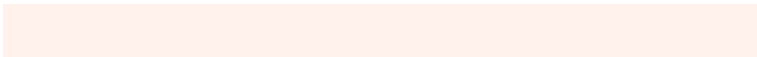
82.6777, 93.7317, 103.3570



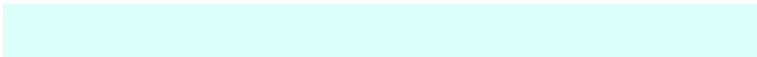
80.9622, 78.5202, 83.5621

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.



94.6671, 93.7317, 91.8851



82.6777, 93.7317, 103.3570



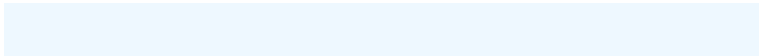
95.1383, 93.7317, 110.5745

Square

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



82.6777, 93.7317, 103.3570



89.5416, 93.7317, 122.0595



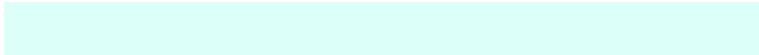
95.8238, 93.7317, 100.7697



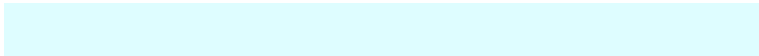
88.6382, 93.7317, 84.3702

Rectangle

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



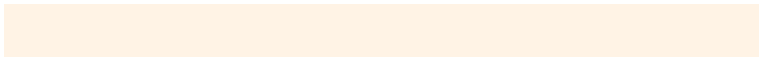
82.6777, 93.7317, 103.3570



85.2670, 93.7317, 118.0792



95.8238, 93.7317, 100.7697



93.0239, 93.7317, 87.5556

Sweetspot

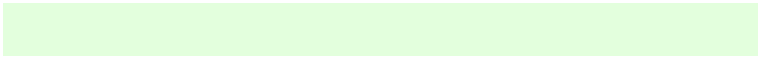
The Sweet Spot groups the original color and five complimentary colors.



82.6787, 93.7322, 103.3585



91.1080, 98.0012, 107.2102



80.5642, 93.1097, 82.1340



19.3470, 20.8983, 22.8799



0.0000, 0.0000, 0.0000



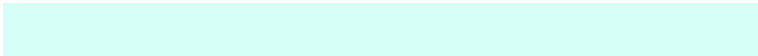
20.3446, 21.4041, 23.3091

Same Dimension

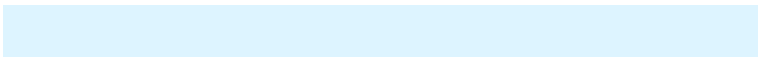
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6787, 93.7322, 103.3585



80.4625, 92.6113, 102.2807



80.2906, 87.4348, 107.2526



18.4092, 20.4232, 22.4579



24.8146, 39.8225, 38.5048



2.4505, 3.8911, 3.9304

Inverse Universe

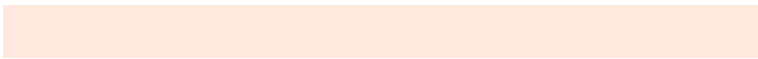
The Inverse Universe completely reimagines the original color for something new.



80.9622, 78.5202, 83.5621



78.4415, 74.6962, 78.9687



83.0829, 84.0634, 80.2551



18.1402, 18.0394, 19.3553



21.8338, 11.2228, 2.5094



2.1600, 1.1064, 0.4239

Previews

White Background



This preview shows how the XYZ color 82.6777, 93.7317, 103.3570 looks on a white background.

Color Contrast Check

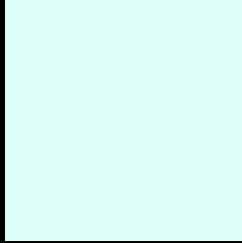
Large Text (above 18pt) WCAG AA × Fail

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 82.6777, 93.7317, 103.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

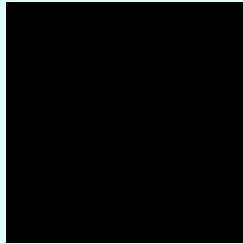
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

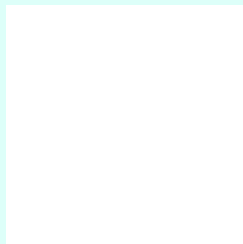
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.6777, 93.7317, 103.3570

Background



This preview shows how black text looks on a background with the XYZ color 82.6777, 93.7317, 103.3570.



This preview shows how white text looks on a background with the XYZ color 82.6777, 93.7317,

Color Blindness Simulation

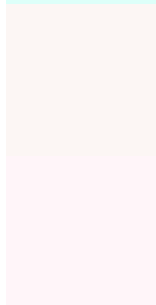
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

82.6777, 93.7317, 103.3570



Protanopia

89.4298, 93.1386, 98.8520

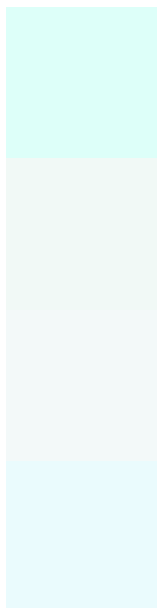
Deuteranopia

90.9913, 93.4044, 102.8556

Tritanopia

88.2013, 93.6721, 108.0396

Trichromacy



Original Color

82.6777, 93.7317, 103.3570

Protanomaly

86.7859, 93.1060, 100.5859

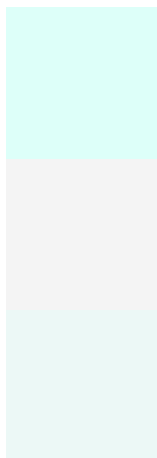
Deuteranomaly

87.9367, 93.6456, 103.0632

Tritanomaly

86.1585, 93.5786, 106.4500

Monochromacy



Original Color

82.6777, 93.7317, 103.3570

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 82.6777, 93.7317, 103.3570 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(221, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 82.6777, 93.7317, 103.3570 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(221, 255, 249) }
```


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

```
.border{ border-color:rgb(221, 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(221, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6777, 93.7317, 103.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 249) }
```

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

```
.background{ background-color: rgb(221,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor