

Converting Colors

XYZ(83.3486, 94.9875,
101.2912)

Have a look what the booklet for
XYZ(83.3486, 94.9875, 101.2912)
contains.

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Color

**XYZ(82.8260, 93.8618,
100.9405)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFFF6
RGB	223, 255, 246
RGB Percent	87%, 100%, 96%
CMY	0.1255, 0.0000, 0.0353
CMYK	0.13, 0.00, 0.04, 0.00
HSL	163°, 100%, 94%
HSV	163°, 13%, 100%
XYZ	82.8260, 93.8618, 100.9405
YIQ	244.4060, -16.1830, -9.5830

Conversions

Conversions Part 2

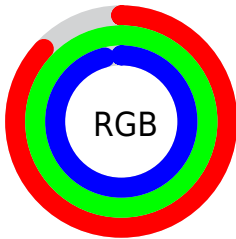
Format	Color
R_{YB}	223, 242, 255
Decimal	14680054
CIE _{Lab}	97.58, -11.97, 0.81
CIE _{LCh}	98, 12.000, 176.142
Yxy	93.8618, 0.2983, 0.3381
Android (android.graphics.Color)	4292870134 (0xFFDFFF6)
YUV	244.4060, 0.7858, -18.7731
Hunter-Lab	96.8823, -16.9419, 6.0441

Details

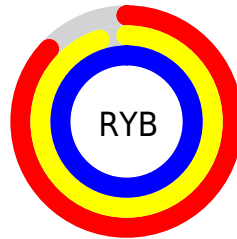
The XYZ color **82.8260, 93.8618, 100.9405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.1938, 79.8627, 87.4272**, and the grayscale version is **86.3170, 90.8122, 98.8945**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6368, 52.4307, 56.4300** is the 20% darker color. If you saturate the color by 10%, you get **74.4727, 89.6802, 94.9153**, and if you desaturate by 10%, it is **92.4068, 98.6712, 107.2479**.

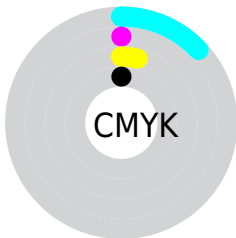
Distribution



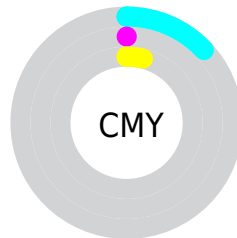
- Red (87%)
- Green (100%)
- Blue (96%)



- Red (87%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.8260, 93.8618, 100.9405 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 82.8260, 93.8618, 100.9405 by changing the saturation by 10% instead.


 82.8260, 93.8618,
100.9405

 82.8260, 93.8618,
100.9405


492.9991,
540.5147, 584.4762

 62.3630, 71.1880,
76.4650


136.2615,
152.6912, 164.5122

 45.5828, 52.4956,
56.3049


169.9648,
189.6156, 204.4454

 32.1200, 37.4003,
40.0418


208.8122,
232.0590, 250.3683

 21.6091, 25.5176,
27.2571

253.1692,
280.4058, 302.6993

 13.6850, 16.4631,
17.5323

303.4010,
335.0403, 361.8571

 7.9821, 9.8524,
10.4488

359.8730,

 4.1352, 5.3012,

396.3471, 428.2602

5.5880

422.9506,
464.7104, 502.3270

■ 1.7789, 2.4251,
2.5315

■ 0.5049, 0.8387,
0.8568

■ 82.8260, 93.8618,
100.9405

■ 82.8260, 93.8618,
100.9405

■ 74.4727, 89.6802,
94.9153

■ 92.4068, 98.6712,
107.2479

■ 67.2909, 86.0978,
89.1628

95.0500, 100.0000,
108.9000

■ 61.2245, 83.0855,
83.6795

■ 56.2113, 80.6114,
78.4597

■ 52.1829, 78.6404,
73.4977

■ 49.0626, 77.1328,
68.7873

■ 46.7621, 76.0433,
64.3216

■ 45.1743, 75.3167,
60.0929

■ 44.3375, 74.9510,
57.0887

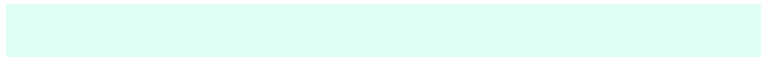
Harmonies

Analogous

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



83.8750, 93.8618, 92.0849



82.8260, 93.8618, 100.9405



83.4521, 93.8618, 110.7033

Triad

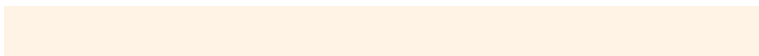
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8260, 93.8618, 100.9405



92.1347, 93.8618, 120.0112



92.9181, 93.8618, 87.3776

Complementary

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



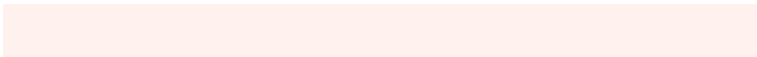
82.8260, 93.8618, 100.9405



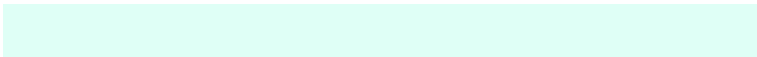
82.1938, 79.8627, 87.4272

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.



95.2328, 93.8618, 94.1429



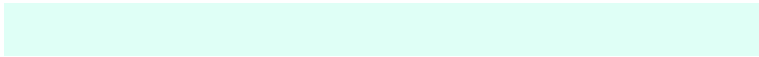
82.8260, 93.8618, 100.9405



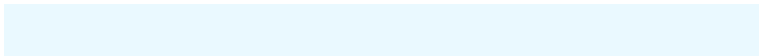
94.7724, 93.8618, 113.0289

Square

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



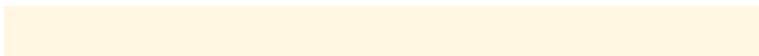
82.8260, 93.8618, 100.9405



88.7721, 93.8618, 122.1152



95.9198, 93.8618, 103.4690



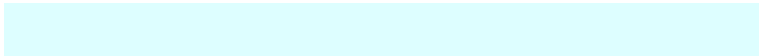
89.6550, 93.8618, 84.5762

Rectangle

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



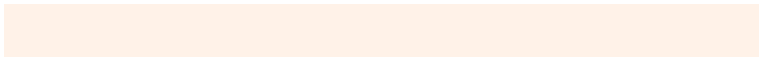
82.8260, 93.8618, 100.9405



84.7440, 93.8618, 116.3547



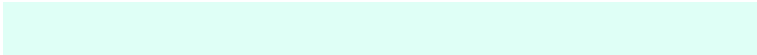
95.9198, 93.8618, 103.4690



93.8361, 93.8618, 89.2416

Sweetspot

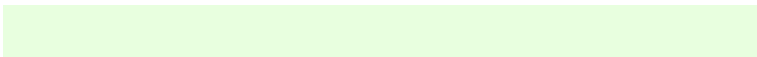
The Sweet Spot groups the original color and five complimentary colors.



82.8269, 93.8622, 100.9420



90.9380, 97.9331, 106.3149



82.3804, 94.0151, 83.6184



19.3038, 20.8810, 22.6528



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

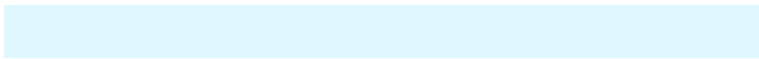
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8269, 93.8622, 100.9420



80.6672, 92.7799, 99.4387



82.0701, 90.0844, 107.6702



18.3242, 20.3892, 22.0102



23.2344, 39.1903, 30.1832



2.3090, 3.8345, 3.1849

Inverse Universe

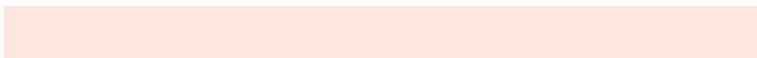
The Inverse Universe completely reimagines the original color for something new.



82.1938, 79.8627, 87.4272



79.9236, 76.3310, 83.5610



82.8383, 83.1453, 81.4962



18.2193, 18.0710, 19.7720



22.2095, 11.3731, 4.4879



2.2067, 1.1251, 0.6700

Previews

White Background



This preview shows how the XYZ color 82.8260, 93.8618, 100.9405 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 82.8260, 93.8618, 100.9405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

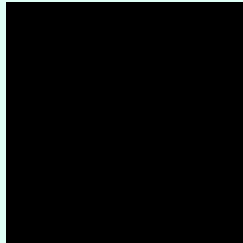
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

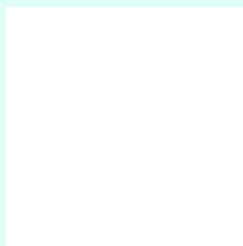
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.8260, 93.8618, 100.9405

Background



This preview shows how black text looks on a background with the XYZ color 82.8260, 93.8618, 100.9405.



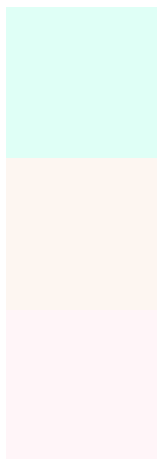
This preview shows how white text looks on a background with the XYZ color 82.8260, 93.8618,

100.9405.

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

82.8260, 93.8618, 100.9405

Protanopia

89.3410, 93.1451, 96.4891

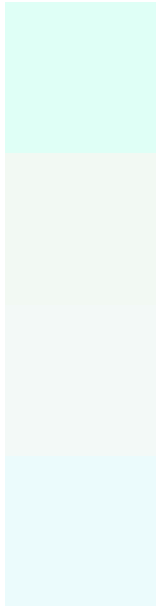
Deuteranopia

90.8357, 93.3421, 102.0362

Tritanopia

88.5436, 93.8486, 108.0556

Trichromacy



Original Color

82.8260, 93.8618, 100.9405

Protanomaly

86.6713, 93.0997, 98.1960

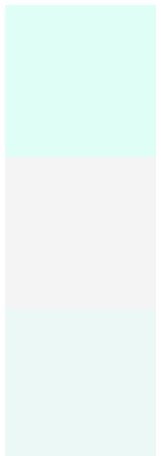
Deuteranomaly

87.6263, 93.5215, 101.4287

Tritanomaly

86.3288, 93.6848, 105.6284

Monochromacy



Original Color

82.8260, 93.8618, 100.9405

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.6409, 91.5602, 99.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8260, 93.8618, 100.9405 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(223, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 246)  
}
```

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(223, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 82.8260, 93.8618, 100.9405 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(223, 255, 246) }
```


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

```
.border{ border-color:rgb(223, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8260, 93.8618, 100.9405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 246) }
```

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

```
.background{ background-color: rgb(223,  
255, 246) }
```

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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