

# Converting Colors

XYZ(82.5167, 93.6973,  
101.1537)

Have a look what the booklet for  
XYZ(82.5167, 93.6973, 101.1537)  
contains.

|  |    |
|--|----|
| <b>XYZ(82.5188, 93.7034, 100.9261)</b> .....   | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(82.5188, 93.7034,  
100.9261)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DEFFF6                      |
| RGB         | 222, 255, 246               |
| RGB Percent | 87%, 100%, 96%              |
| CMY         | 0.1294, 0.0000, 0.0353      |
| CMYK        | 0.13, 0.00, 0.04, 0.00      |
| HSL         | 164°, 100%, 94%             |
| HSV         | 164°, 13%, 100%             |
| XYZ         | 82.5188, 93.7034, 100.9261  |
| YIQ         | 244.1070, -16.7790, -9.7950 |

# Conversions

## Conversions Part 2

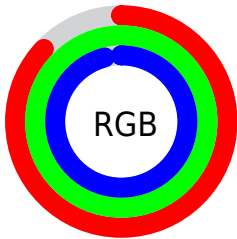
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 222, 241, 255                 |
| Decimal                             | 14614518                      |
| CIE <sub>Lab</sub>                  | 97.51, -12.29, 0.71           |
| CIE <sub>LCh</sub>                  | 98, 12.309, 176.709           |
| Yxy                                 | 93.7034, 0.2977,<br>0.3381    |
| Android<br>(android.graphics.Color) | 4292804598<br>(0xFFDEFFF6)    |
| YUV                                 | 244.1070, 0.9332,<br>-19.3878 |
| Hunter-Lab                          | 96.8005, -17.2364,<br>5.9435  |

# Details

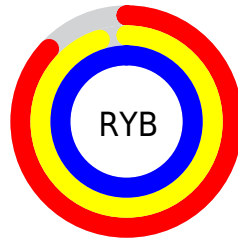
The XYZ color **82.5188, 93.7034, 100.9261** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.7858, 79.2733, 86.5924**, and the grayscale version is **86.0768, 90.5595, 98.6192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4247, 52.3214, 56.4201** is the 20% darker color. If you saturate the color by 10%, you get **74.2429, 89.5581, 95.0720**, and if you desaturate by 10%, it is **92.0177, 98.4746, 107.0489**.

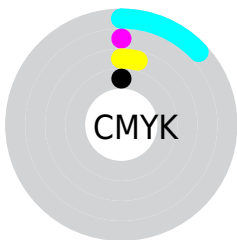
# Distribution



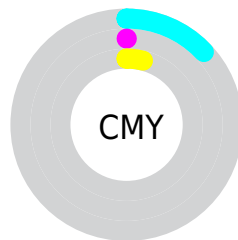
- Red (87%)
- Green (100%)
- Blue (96%)



- 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 82.5188, 93.7034, 100.9261 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 82.5188, 93.7034, 100.9261 by changing the saturation by 10% instead.



82.5188, 93.7034,  
100.9261

82.5188, 93.7034,  
100.9261

491.9896,  
540.0057, 584.4298

62.1088, 71.0563,  
76.4530

135.8333,  
152.4721, 164.4922

45.3766, 52.3881,  
56.2952

169.4686,  
189.3624, 204.4224

31.9567, 37.3145,  
40.0340

208.2430,  
231.7693, 250.3419

21.4838, 25.4511,  
27.2511

252.5219,  
280.0772, 302.6694

13.5926, 16.4135,  
17.5278

302.6707,  
334.6703, 361.8234

7.9176, 9.8172,  
10.4456

359.0546,

4.0937, 5.2779,

395.9332, 428.2224

5.5859

422.0392,  
464.2502, 502.2850

■ 1.7553, 2.4112,  
2.5303

■ 0.4905, 0.8317,  
0.8561

■ 82.5188, 93.7034,  
100.9261

■ 82.5188, 93.7034,  
100.9261

■ 74.2429, 89.5581,  
95.0720

■ 92.0177, 98.4746,  
107.0489

■ 67.1340, 86.0098,  
89.4775

95.0500, 100.0000,  
108.9000

■ 61.1356, 83.0294,  
84.1390

■ 56.1854, 80.5850,  
79.0513

■ 52.2149, 78.6412,  
74.2088

■ 49.1471, 77.1584,  
69.6056

■ 46.8929, 76.0907,  
65.2349

■ 45.3445, 75.3826,  
61.0893

■ 44.5660, 75.0424,  
58.2916

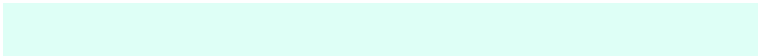
# Harmonies

## Analogous

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



83.5610, 93.7034, 91.8214



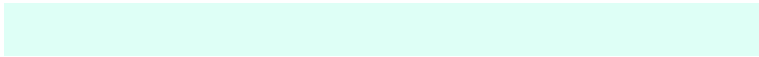
82.5188, 93.7034, 100.9261



83.1917, 93.7034, 110.9264

# Triad

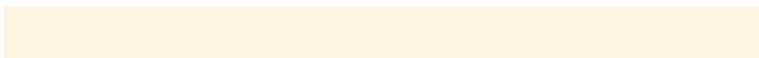
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5188, 93.7034, 100.9261



92.1177, 93.7034, 120.2076



92.8029, 93.7034, 86.7668

# Complementary

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



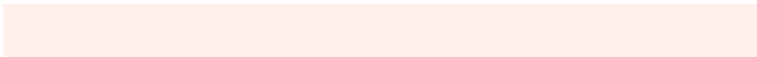
82.5188, 93.7034, 100.9261



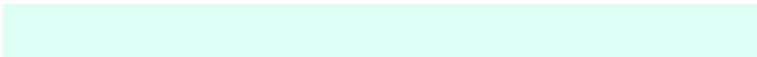
81.7858, 79.2733, 86.5924

# 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.



95.2027, 93.7034, 93.6169



82.5188, 93.7034, 100.9261



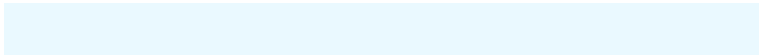
94.7999, 93.7034, 112.9623

# Square

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



82.5188, 93.7034, 100.9261



88.6770, 93.7034, 122.4777



95.9428, 93.7034, 103.1360



89.4486, 93.7034, 83.9899



# Rectangle

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



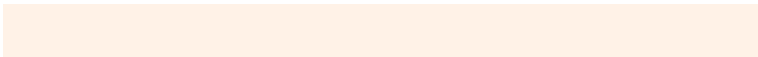
82.5188, 93.7034, 100.9261



84.5323, 93.7034, 116.6904



95.9428, 93.7034, 103.1360



93.7513, 93.7034, 88.6466

# Sweetspot

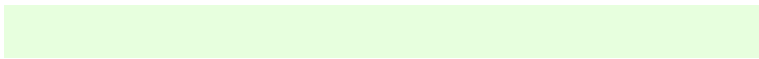
The Sweet Spot groups the original color and five complimentary colors.



82.5197, 93.7039, 100.9276



90.9518, 97.9387, 106.3875



82.0138, 93.8416, 82.8995



19.3073, 20.8824, 22.6712



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

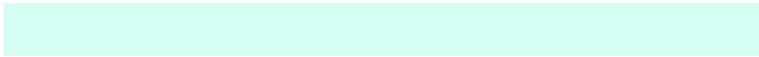


# Same Dimension

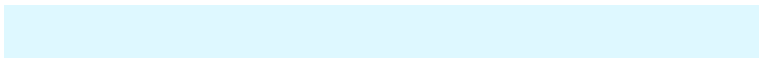
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5197, 93.7039, 100.9276



79.8600, 92.3703, 99.1080



81.6964, 89.7929, 107.6336



18.3311, 20.3920, 22.0464



23.3527, 39.2377, 30.8063



2.3197, 3.8388, 3.2414



# Inverse Universe

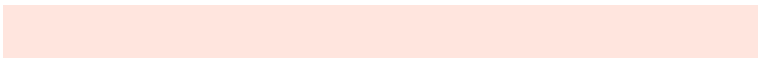
The Inverse Universe completely reimagines the original color for something new.



81.7858, 79.2733, 86.5924



78.9723, 74.9085, 81.7640



82.4865, 82.6567, 80.7157



18.2128, 18.0684, 19.7379



22.1721, 11.3581, 4.2906



2.2023, 1.1233, 0.6470



# Previews

## White Background



This preview shows how the XYZ color 82.5188, 93.7034, 100.9261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

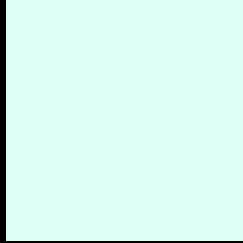
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5188, 93.7034, 100.9261 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

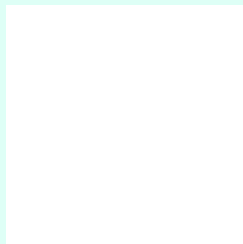
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.5188, 93.7034, 100.9261

## Background



This preview shows how black text looks on a background with the XYZ color 82.5188, 93.7034, 100.9261.



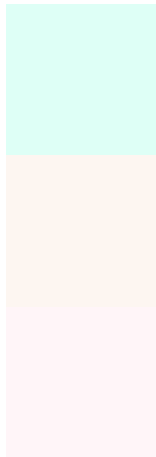
This preview shows how white text looks on a background with the XYZ color 82.5188, 93.7034,

100.9261.

# 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

82.5188, 93.7034, 100.9261

### Protanopia

89.3410, 93.1451, 96.4891

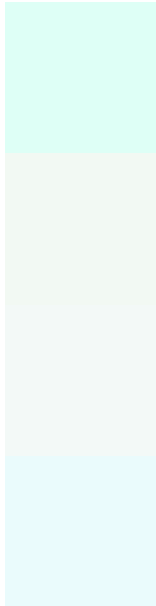
### Deuteranopia

90.8357, 93.3421, 102.0362

## **Tritanopia**

88.2013, 93.6721, 108.0396

# Trichromacy



## Original Color

82.5188, 93.7034, 100.9261

## Protanomaly

86.6713, 93.0997, 98.1960

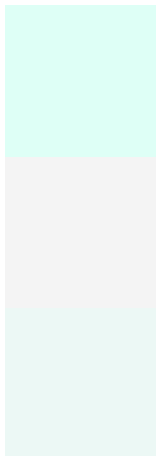
## Deuteranomaly

87.6263, 93.5215, 101.4287

## Tritanomaly

85.9996, 93.5151, 105.6130

# Monochromacy



## Original Color

82.5188, 93.7034, 100.9261

## 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 82.5188, 93.7034, 100.9261 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5188, 93.7034, 100.9261 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, 246) }
```



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

```
.border{ border-color:rgb(222, 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(222, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5188, 93.7034, 100.9261 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, 246) }
```

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

```
.background{ background-color: rgb(222,  
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](#).

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