

Converting Colors

XYZ(83.7787, 93.3394,
109.8517)

Have a look what the booklet for
XYZ(83.7787, 93.3394, 109.8517)
contains.

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Color

**XYZ(83.2995, 93.0002,
108.1682)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFDFF
RGB	222, 253, 255
RGB Percent	87%, 99%, 100%
CMY	0.1294, 0.0078, 0.0000
CMYK	0.13, 0.01, 0.00, 0.00
HSL	184°, 100%, 94%
HSV	184°, 13%, 100%
XYZ	83.2995, 93.0002, 108.1682
YIQ	243.9590, -19.1180, -5.9500

Conversions

Conversions Part 2

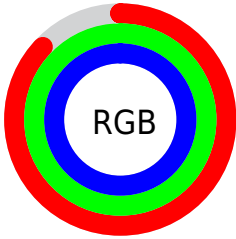
Format	Color
R _Y B	222, 238, 255
Decimal	14614015
CIE Lab	97.23, -9.56, -4.34
CIE LCh	97, 10.501, 204.418
Yxy	93.0002, 0.2928, 0.3269
Android (android.graphics.Color)	4292804095 (0xFFDEFDFF)
YUV	243.9590, 5.4432, -19.2580
Hunter-Lab	96.4366, -14.5803, 1.0030

Details

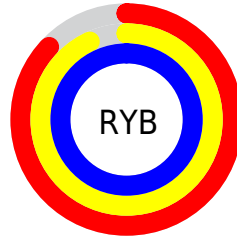
The XYZ color **83.2995, 93.0002, 108.1682** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.0799, 79.8437, 80.2469**, and the grayscale version is **85.9272, 90.4021, 98.4479**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8693, 51.7726, 61.0016** is the 20% darker color. If you saturate the color by 10%, you get **75.5882, 88.3079, 107.6690**, and if you desaturate by 10%, it is **92.2008, 98.3168, 108.7253**.

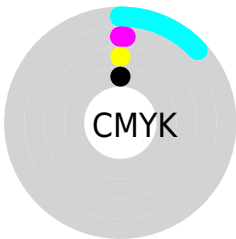
Distribution



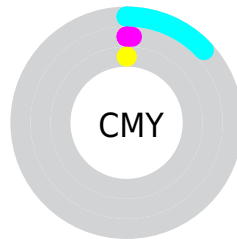
- Red (87%)
- Green (99%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2995, 93.0002, 108.1682 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 83.2995, 93.0002, 108.1682 by changing the saturation by 10% instead.


 83.2995, 93.0002,
108.1682

 83.2995, 93.0002,
108.1682


494.5530,
537.7428, 607.5441

 62.7550, 70.4717,
82.4846


136.9212,
151.4989, 174.4871

 45.9009, 51.9112,
61.2269


170.7291,
188.2378, 215.9596

 32.3720, 36.9343,
43.9766


209.6889,
230.4824, 263.5321

 21.8027, 25.1566,
30.3151

254.1659,
278.6169, 317.6232

 13.8278, 16.1938,
19.8238

304.5254,
333.0258, 378.6513

 8.0819, 9.6614,
12.0842

361.1329,

 4.1996, 5.1750,

394.0935, 447.0352

6.6778

424.3536,
462.2044, 523.1933

■ 1.8157, 2.3503,
3.1861

■ 0.5271, 0.8001,
1.1904

■ 83.2995, 93.0002,
108.1682

■ 83.2995, 93.0002,
108.1682

■ 75.5882, 88.3079,
107.6690

■ 92.2008, 98.3168,
108.7253

■ 69.0067, 84.2014,
107.2232

95.0500, 100.0000,
108.9000

■ 63.5006, 80.6551,
106.8289

■ 59.0079, 77.6370,
106.4831

■ 55.4606, 75.1120,
106.1827

■ 52.7821, 73.0407,
105.9241

■ 50.8839, 71.3774,
105.7031

■ 49.6586, 70.0668,
105.5147

■ 49.0885, 69.2970,
105.3962

Harmonies

Analogous

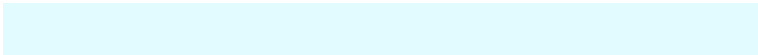
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8358, 93.0002, 99.6803



83.2995, 93.0002, 108.1682



85.1152, 93.0002, 115.1415

Triad

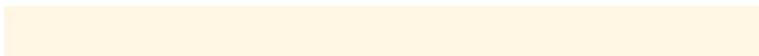
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2995, 93.0002, 108.1682



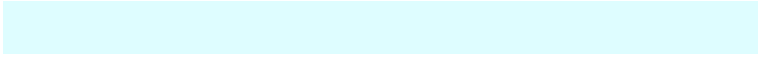
93.1161, 93.0002, 111.0705



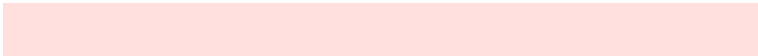
88.9500, 93.0002, 85.8528

Complementary

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



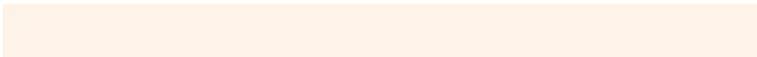
83.2995, 93.0002, 108.1682



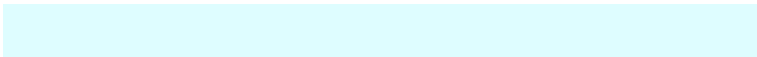
81.0799, 79.8437, 80.2469

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.



91.7557, 93.0002, 88.5442



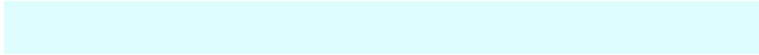
83.2995, 93.0002, 108.1682



94.1952, 93.0002, 102.8591

Square

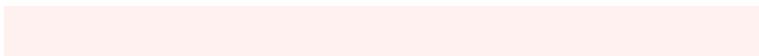
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



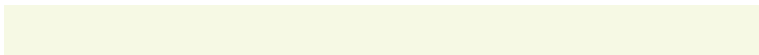
83.2995, 93.0002, 108.1682



90.7738, 93.0002, 116.8817



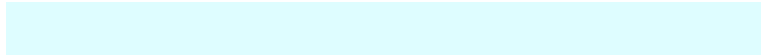
93.6919, 93.0002, 94.6551



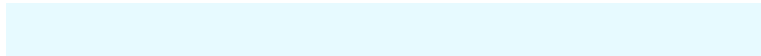
86.0560, 93.0002, 87.0987

Rectangle

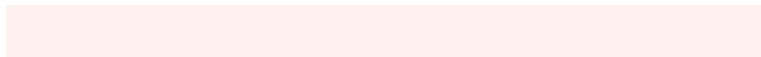
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



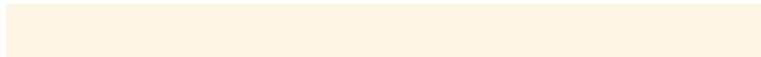
83.2995, 93.0002, 108.1682



86.8701, 93.0002, 117.8319



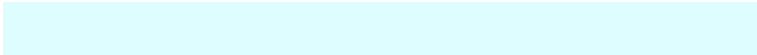
93.6919, 93.0002, 94.6551



89.9354, 93.0002, 86.3222

Sweetspot

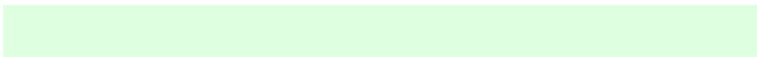
The Sweet Spot groups the original color and five complimentary colors.



83.3019, 93.0040, 108.1688



91.2001, 97.7238, 108.6636



79.2923, 92.4129, 83.9323



19.3703, 20.8277, 23.2492



0.0000, 0.0000, 0.0000



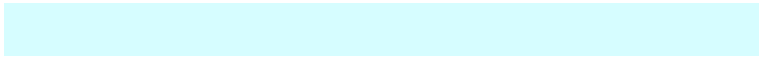
20.3446, 21.4041, 23.3091

Same Dimension

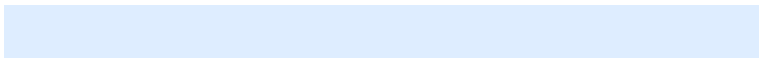
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3019, 93.0040, 108.1688



80.8183, 91.5028, 108.0100



78.4160, 83.2322, 106.5402



18.4553, 20.2822, 23.1921



25.6902, 36.2900, 55.0852



2.5288, 3.5882, 5.3726

Inverse Universe

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



85.0924, 80.5960, 104.0048



82.9926, 76.5166, 102.9346



85.6297, 88.9432, 81.7634



18.7425, 18.2803, 22.5269



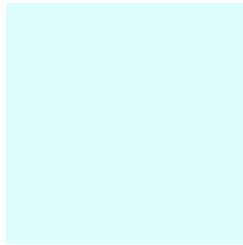
29.7554, 14.3915, 44.2241



2.9110, 1.4068, 4.3788

Previews

White Background



This preview shows how the XYZ color 83.2995, 93.0002, 108.1682 looks on a white background.

Color Contrast Check

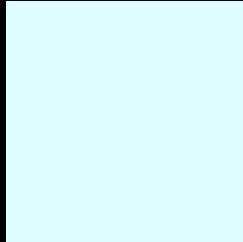
Large Text (above 18pt) WCAG AA × Fail

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 83.2995, 93.0002, 108.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

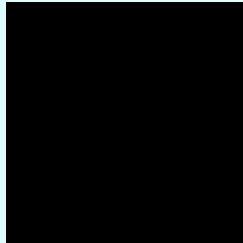
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

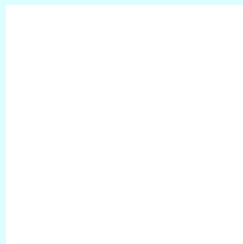
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2995, 93.0002, 108.1682

Background



This preview shows how black text looks on a background with the XYZ color 83.2995, 93.0002, 108.1682.

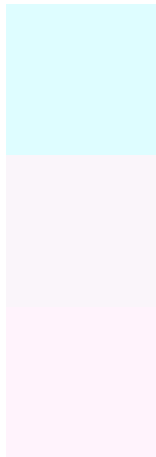


This preview shows how white text looks on a background with the XYZ color 83.2995, 93.0002,

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

83.2995, 93.0002, 108.1682

Protanopia

89.3321, 92.5309, 103.5944

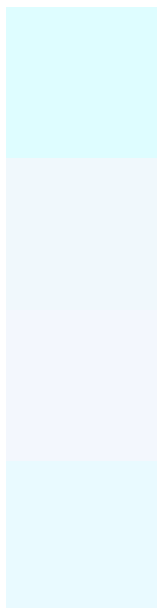
Deuteranopia

90.8613, 92.3895, 105.1395

Tritanopia

87.5526, 92.8801, 107.9209

Trichromacy



Original Color

83.2995, 93.0002, 108.1682

Protanomaly

87.0733, 92.6883, 105.3968

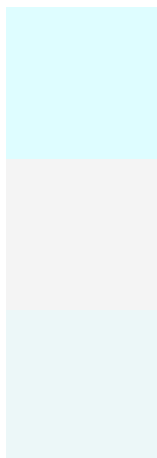
Deuteranomaly

87.9525, 92.6681, 106.1796

Tritanomaly

85.8399, 92.9149, 108.0179

Monochromacy



Original Color

83.2995, 93.0002, 108.1682

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.7961, 91.1317, 101.9279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2995, 93.0002, 108.1682 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 253, 255)  
}
```

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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.2995, 93.0002, 108.1682 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, 253, 255) }
```


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

```
.border{ border-color:rgb(222, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2995, 93.0002, 108.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 253, 255) }
```

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

```
.background{ background-color: rgb(222,  
253, 255) }
```

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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