

Converting Colors

XYZ(83.6250, 94.2894,
100.2685)

Have a look what the booklet for
XYZ(83.6250, 94.2894, 100.2685)
contains.

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Color

**XYZ(83.6055, 94.2813,
100.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFF5
RGB	226, 255, 245
RGB Percent	89%, 100%, 96%
CMY	0.1137, 0.0000, 0.0392
CMYK	0.11, 0.00, 0.04, 0.00
HSL	159°, 100%, 94%
HSV	159°, 11%, 100%
XYZ	83.6055, 94.2813, 100.1778
YIQ	245.1890, -14.0740, -9.2580

Conversions

Conversions Part 2

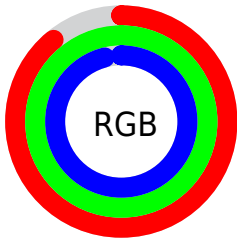
Format	Color
R_{YB}	226, 244, 255
Decimal	14876661
CIE _{Lab}	97.75, -11.21, 1.59
CIE _{LCh}	98, 11.320, 171.920
Yxy	94.2813, 0.3007, 0.3391
Android (android.graphics.Color)	4293066741 (0xFFE2FFF5)
YUV	245.1890, -0.0932, -16.8288
Hunter-Lab	97.0986, -16.2273, 6.7988

Details

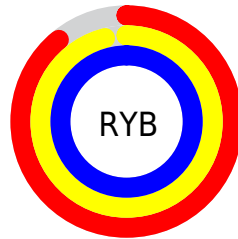
The XYZ color **83.6055, 94.2813, 100.1778** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.5773, 81.7101, 90.7238**, and the grayscale version is **86.9516, 91.4799, 99.6216**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1740, 52.7202, 55.8865** is the 20% darker color. If you saturate the color by 10%, you get **74.8846, 89.9369, 92.9294**, and if you desaturate by 10%, it is **93.5812, 99.2652, 107.8209**.

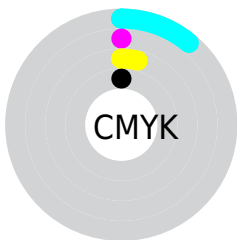
Distribution



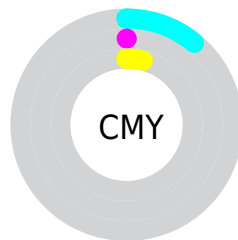
- Red (89%)
- Green (100%)
- Blue (96%)



- Red (89%)
- Yellow (96%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6055, 94.2813, 100.1778 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 83.6055, 94.2813, 100.1778 by changing the saturation by 10% instead.


 83.6055, 94.2813,
100.1778

 83.6055, 94.2813,
100.1778


495.5557,
541.8616, 582.0141

 63.0084, 71.5369,
75.8313


137.3473,
153.2713, 163.4555

 46.1067, 52.7805,
55.7884


171.2227,
190.2858, 203.2238

 32.5350, 37.6276,
39.6304


210.2550,
232.8257, 248.9698

 21.9280, 25.6938,
26.9389

254.8094,
281.2755, 301.1120

 13.9203, 16.5947,
17.2953

305.2513,
336.0196, 360.0691

 8.1466, 9.9459,
10.2811

361.9461,

 4.2415, 5.3631,

397.4424, 426.2594

5.4777

425.2591,
465.9283, 500.1015

■ 1.8396, 2.4619,
2.4666

■ 0.5414, 0.8574,
0.8224

■ 83.6055, 94.2813,
100.1778

■ 83.6055, 94.2813,
100.1778

■ 74.8846, 89.9369,
92.9294

■ 93.5812, 99.2652,
107.8209

■ 67.3625, 86.2033,
86.0640

■ 95.0500, 100.0000,
108.9000

■ 60.9831, 83.0517,
79.5758

■ 55.6846, 80.4501,
73.4573

■ 51.3988, 78.3637,
67.7002

■ 48.0498, 76.7534,
62.2961

■ 45.5504, 75.5743,
57.2358

■ 43.7958, 74.7726,
52.5090

■ 42.7423, 74.3129,
48.6881

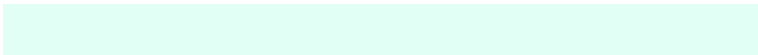
Harmonies

Analogous

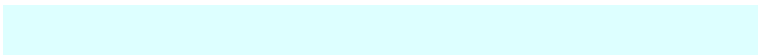
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8139, 94.2813, 92.0780



83.6055, 94.2813, 100.1778



83.9756, 94.2813, 109.4364

Triad

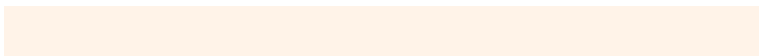
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6055, 94.2813, 100.1778



91.9487, 94.2813, 120.0467



93.4946, 94.2813, 89.2897

Complementary

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



83.6055, 94.2813, 100.1778



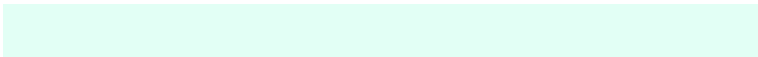
83.5773, 81.7101, 90.7238

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.



95.4941, 94.2813, 96.1622



83.6055, 94.2813, 100.1778



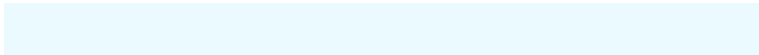
94.5868, 94.2813, 114.0153

Square

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



83.6055, 94.2813, 100.1778



88.7419, 94.2813, 121.2814



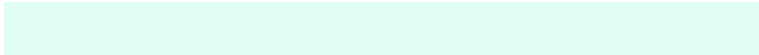
95.8986, 94.2813, 105.1754



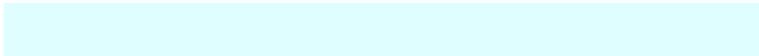
90.4869, 94.2813, 86.0428

Rectangle

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



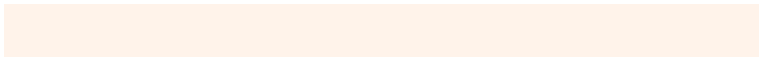
83.6055, 94.2813, 100.1778



85.0719, 94.2813, 114.9965



95.8986, 94.2813, 105.1754



94.3099, 94.2813, 91.2321

Sweetspot

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



83.6064, 94.2818, 100.1793



91.8695, 98.4091, 106.5496



84.1301, 94.8699, 85.8307



19.4861, 20.9748, 22.6728



0.0000, 0.0000, 0.0000



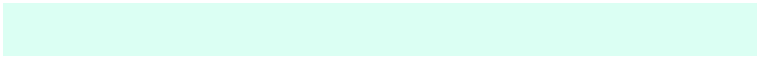
20.3446, 21.4041, 23.3091

Same Dimension

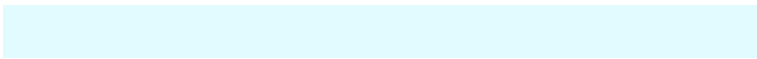
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6064, 94.2818, 100.1793



81.1948, 93.0790, 98.2361



83.8028, 92.1652, 107.9805



18.2732, 20.3688, 21.7415



22.4068, 38.8593, 25.8252



2.2331, 3.8042, 2.7855

Inverse Universe

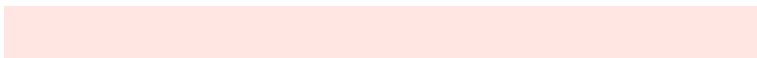
The Inverse Universe completely reimagines the original color for something new.



83.5773, 81.7101, 90.7238



81.1599, 77.8837, 86.8086



83.3626, 83.5408, 83.6844



18.2679, 18.0905, 20.0278



22.5304, 11.5015, 6.1777



2.2428, 1.1395, 0.8598

Previews

White Background



This preview shows how the XYZ color 83.6055, 94.2813, 100.1778 looks on a white background.

Color Contrast Check

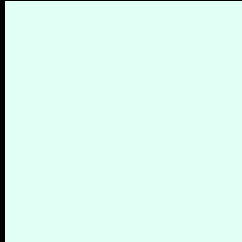
Large Text (above 18pt) WCAG AA × Fail

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 83.6055, 94.2813, 100.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

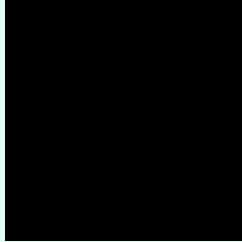
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

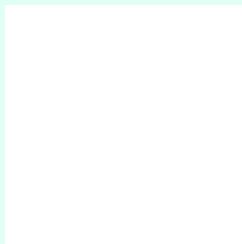
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6055, 94.2813, 100.1778

Background



This preview shows how black text looks on a background with the XYZ color 83.6055, 94.2813, 100.1778.



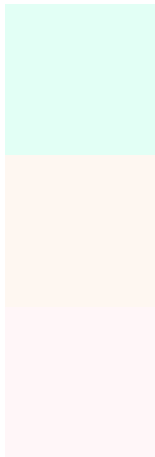
This preview shows how white text looks on a background with the XYZ color 83.6055, 94.2813,

100.1778.

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

83.6055, 94.2813, 100.1778

Protanopia

90.0110, 93.9432, 96.6079

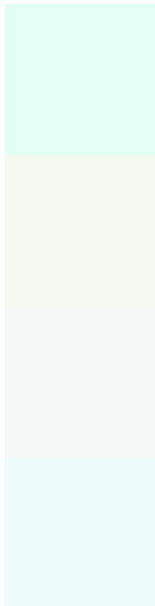
Deuteranopia

91.1390, 93.9488, 102.1373

Tritanopia

88.8878, 94.0260, 108.0717

Trichromacy



Original Color

83.6055, 94.2813, 100.1778

Protanomaly

87.5208, 94.0151, 97.5383

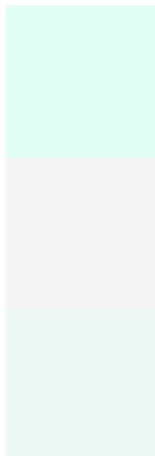
Deuteranomaly

87.9724, 93.6999, 101.4449

Tritanomaly

86.8348, 93.9639, 104.8270

Monochromacy



Original Color

83.6055, 94.2813, 100.1778

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.6170, 92.5211, 99.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6055, 94.2813, 100.1778 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(226, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 245)  
}
```

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(226, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 83.6055, 94.2813, 100.1778 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(226, 255, 245) }
```


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

```
.border{ border-color:rgb(226, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6055, 94.2813, 100.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 245) }
```

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

```
.background{ background-color: rgb(226,  
255, 245) }
```

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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