

Converting Colors

XYZ(83.1242, 93.4996,
108.2781)

Have a look what the booklet for
XYZ(83.1242, 93.4996, 108.2781)
contains.

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Color

**XYZ(83.0070, 93.3193,
108.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFEFF
RGB	220, 254, 255
RGB Percent	86%, 100%, 100%
CMY	0.1372, 0.0039, 0.0000
CMYK	0.14, 0.00, 0.00, 0.00
HSL	182°, 100%, 93%
HSV	182°, 14%, 100%
XYZ	83.0070, 93.3193, 108.2452
YIQ	243.9480, -20.5850, -6.8970

Conversions

Conversions Part 2

Format	Color
R _Y B	220, 237, 255
Decimal	14483199
CIE Lab	97.36, -10.68, -4.17
CIE LCh	97, 11.464, 201.307
Yxy	93.3193, 0.2917, 0.3279
Android (android.graphics.Color)	4292673279 (0xFFDCFEFF)
YUV	243.9480, 5.4486, -21.0024
Hunter-Lab	96.6019, -15.6739, 1.1852

Details

The XYZ color **83.0070, 93.3193, 108.2452** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0142, 78.1386, 78.5768**, and the grayscale version is **85.9192, 90.3937, 98.4387**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6763, 52.0091, 61.0574** is the 20% darker color. If you saturate the color by 10%, you get **75.6413, 89.1839, 107.8352**, and if you desaturate by 10%, it is **91.5556, 98.0708, 108.7118**.

Distribution



- Red (86%)
- Green (100%)
- Blue (100%)



- Red (86%)
- Yellow (93%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0070, 93.3193, 108.2452 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 83.0070, 93.3193, 108.2452 by changing the saturation by 10% instead.


 83.0070, 93.3193,
108.2452

 83.0070, 93.3193,
108.2452


493.5934,
538.7703, 607.7874

 62.5129, 70.7369,
82.5489


136.5137,
151.9406, 174.5930

 45.7044, 52.1275,
61.2796


170.2570,
188.7483, 216.0817

 32.2163, 37.1067,
44.0189


209.1475,
231.0666, 263.6715

 21.6831, 25.2901,
30.3480

253.5503,
279.2798, 317.7810

 13.7395, 16.2934,
19.8486

303.8310,
333.7724, 378.8289

 8.0202, 9.7320,
12.1021

360.3548,

 4.1598, 5.2216,

394.9288, 447.2335

6.6898

423.4872,
463.1333, 523.4135

■ 1.7929, 2.3779,
3.1934

■ 0.5134, 0.8145,
1.1942

■ 83.0070, 93.3193,
108.2452

■ 83.0070, 93.3193,
108.2452

■ 75.6413, 89.1839,
107.8352

■ 91.5556, 98.0708,
108.7118

■ 69.3980, 85.6259,
107.4775

95.0500, 100.0000,
108.9000

■ 64.2223, 82.6196,
107.1700

■ 60.0521, 80.1328,
106.9098

■ 56.8185, 78.1302,
106.6937

■ 54.4442, 76.5719,
106.5181

■ 52.8395, 75.4117,
106.3787

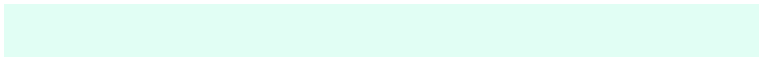
■ 51.8952, 74.5931,
106.2705

■ 51.5416, 74.2033,
106.2139

Harmonies

Analogous

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



82.6678, 93.3193, 98.9303



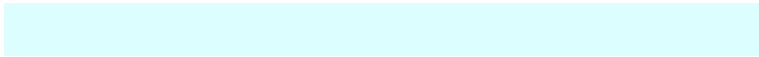
83.0070, 93.3193, 108.2452



84.8513, 93.3193, 116.2128

Triad

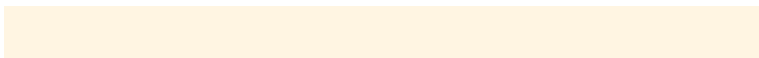
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0070, 93.3193, 108.2452



93.6598, 93.3193, 113.2013



89.6441, 93.3193, 84.9394

Complementary

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



83.0070, 93.3193, 108.2452



80.0142, 78.1386, 78.5768

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.



92.6576, 93.3193, 88.2826



83.0070, 93.3193, 108.2452



95.0129, 93.3193, 104.3353

Square

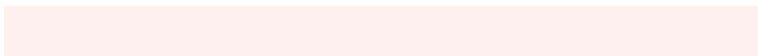
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



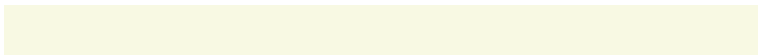
83.0070, 93.3193, 108.2452



90.9851, 93.3193, 119.1935



94.6417, 93.3193, 95.2494



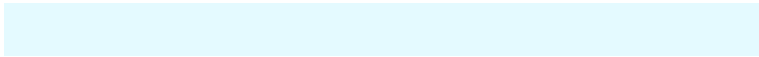
86.4480, 93.3193, 85.8448

Rectangle

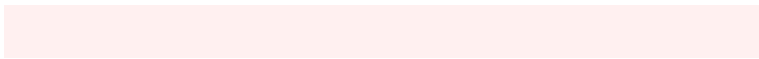
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



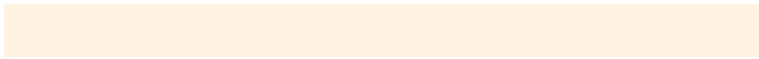
83.0070, 93.3193, 108.2452



86.7113, 93.3193, 119.5040



94.6417, 93.3193, 95.2494



90.7132, 93.3193, 85.5958

Sweetspot

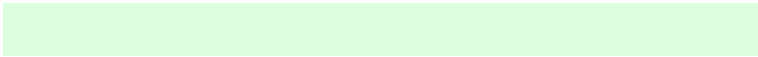
The Sweet Spot groups the original color and five complimentary colors.



83.0094, 93.3231, 108.2458



91.3040, 97.9317, 108.6982



78.2719, 91.9344, 81.7372



19.3967, 20.8806, 23.2580



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

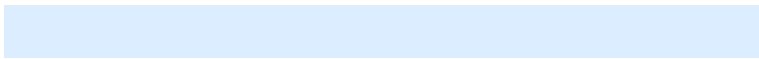
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0094, 93.3231, 108.2458



81.2312, 92.3287, 108.1476



77.8263, 82.9568, 106.5181



18.5080, 20.3876, 23.2097



26.9515, 38.8126, 55.5057



2.6376, 3.8059, 5.4089

Inverse Universe

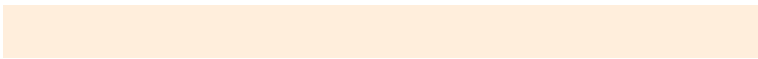
The Inverse Universe completely reimagines the original color for something new.



84.7241, 79.6037, 104.6701



83.2011, 76.6000, 104.0322



84.7577, 87.6257, 80.1579



18.7691, 18.2909, 22.6670



30.3921, 14.6461, 47.5765



2.9659, 1.4287, 4.6680

Previews

White Background



This preview shows how the XYZ color 83.0070, 93.3193, 108.2452 looks on a white background.

Color Contrast Check

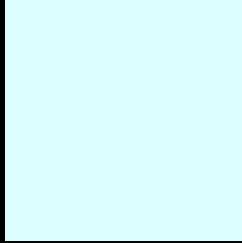
Large Text (above 18pt) WCAG AA × Fail

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 83.0070, 93.3193, 108.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

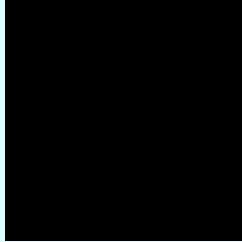
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0070, 93.3193, 108.2452

Background



This preview shows how black text looks on a background with the XYZ color 83.0070, 93.3193, 108.2452.

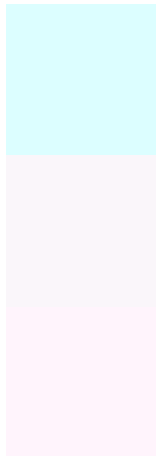


This preview shows how white text looks on a background with the XYZ color 83.0070, 93.3193,

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

83.0070, 93.3193, 108.2452

Protanopia

89.6354, 93.1377, 103.6956

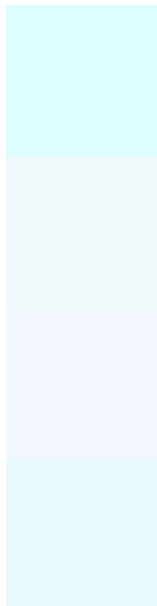
Deuteranopia

91.1614, 92.9896, 105.2395

Tritanopia

87.5526, 92.8801, 107.9209

Trichromacy



Original Color

83.0070, 93.3193, 108.2452

Protanomaly

87.0430, 93.1304, 105.4838

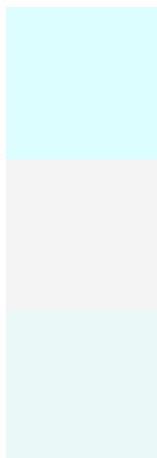
Deuteranomaly

87.9150, 93.1039, 106.2657

Tritanomaly

85.8399, 92.9149, 108.0179

Monochromacy



Original Color

83.0070, 93.3193, 108.2452

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.7716, 91.5743, 102.0146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0070, 93.3193, 108.2452 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(220, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 254, 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(220, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.0070, 93.3193, 108.2452 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(220, 254, 255) }
```


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

```
.border{ border-color:rgb(220, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0070, 93.3193, 108.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 254, 255) }
```

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

```
.background{ background-color: rgb(220,  
254, 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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