

Converting Colors

XYZ(79.9021, 100.0000,
95.5949)

Have a look what the booklet for
XYZ(79.9021, 100.0000, 95.5949)
contains.

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Color

**XYZ(75.0120, 89.9724,
94.3018)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFEE
RGB	200, 255, 238
RGB Percent	78%, 100%, 93%
CMY	0.2157, 0.0000, 0.0667
CMYK	0.22, 0.00, 0.07, 0.00
HSL	161°, 100%, 89%
HSV	161°, 22%, 100%
XYZ	75.0120, 89.9724, 94.3018
YIQ	236.6170, -27.3230, -16.9470

Conversions

Conversions Part 2

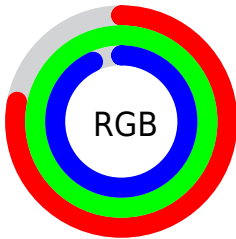
Format	Color
R_{YB}	200, 233, 255
Decimal	13172718
CIE _{Lab}	95.99, -20.63, 2.44
CIE _{LCh}	96, 20.776, 173.264
Yxy	89.9724, 0.2893, 0.3470
Android (android.graphics.Color)	4291362798 (0xFFC8FFEE)
YUV	236.6170, 0.6818, -32.1131
Hunter-Lab	94.8538, -24.8333, 7.4527

Details

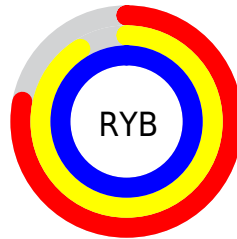
The XYZ color **75.0120, 89.9724, 94.3018** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4192, 67.5793, 74.7676**, and the grayscale version is **80.2115, 84.3887, 91.8993**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3146, 49.7853, 51.7407** is the 20% darker color. If you saturate the color by 10%, you get **67.6275, 86.2964, 88.0443**, and if you desaturate by 10%, it is **83.5847, 94.2550, 100.8824**.

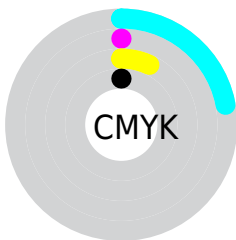
Distribution



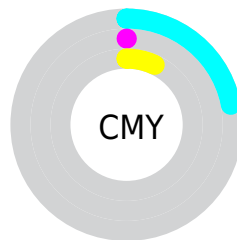
- Red (78%)
- Green (100%)
- Blue (93%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0120, 89.9724, 94.3018 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 75.0120, 89.9724, 94.3018 by changing the saturation by 10% instead.


 75.0120, 89.9724,
94.3018

 75.0120, 89.9724,
94.3018


466.9554,
527.9411, 562.8545

 55.9169, 67.9578,
70.9603

125.3172,
147.3001, 155.2869

 40.3731, 49.8634,
51.8282


157.2580,
183.3819, 193.7677

 28.0150, 35.3048,
36.4868


194.2114,
224.9215, 238.1319

 18.4775, 23.8978,
24.5178

236.5428,
272.3034, 288.7982

 11.3951, 15.2578,
15.5024

284.6176,
325.9119, 346.1850

 6.4025, 9.0005,
9.0222

338.8010,

 3.1343, 4.7415,

386.1314, 410.7110

4.6587

399.4585,
453.3463, 482.7946

■ 1.2252, 2.0964,
1.9932

■ 0.1261, 0.6626,
0.5511

■ 75.0120, 89.9724,
94.3018

■ 75.0120, 89.9724,
94.3018

■ 67.6275, 86.2964,
88.0443

■ 83.5847, 94.2550,
100.8824

■ 61.3718, 83.1965,
82.0995

■ 93.3961, 99.1703,
107.7875

■ 56.1838, 80.6414,
76.4626

■ 95.0500, 100.0000,
108.9000

■ 51.9959, 78.5962,
71.1269

■ 48.7320, 77.0219,
66.0853

■ 46.3050, 75.8734,
61.3301

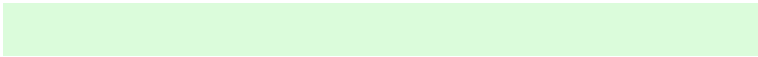
■ 44.6099, 75.0969,
56.8527

■ 43.6150, 74.6620,
53.2841

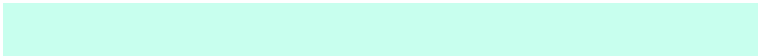
Harmonies

Analogous

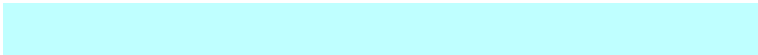
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9685, 89.9724, 80.2404



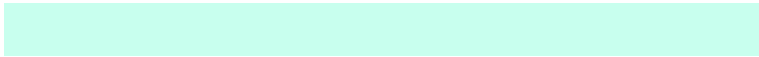
75.0120, 89.9724, 94.3018



75.7674, 89.9724, 110.9936

Triad

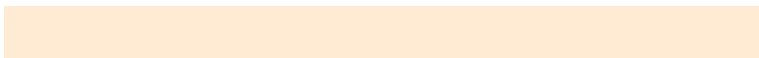
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0120, 89.9724, 94.3018



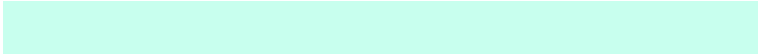
89.9520, 89.9724, 129.9847



92.2923, 89.9724, 74.7435

Complementary

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



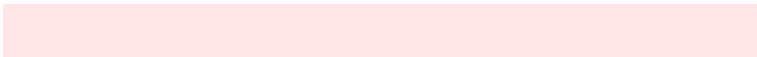
75.0120, 89.9724, 94.3018



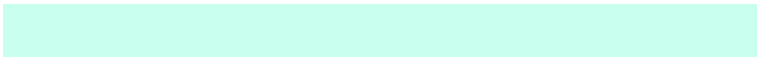
74.4192, 67.5793, 74.7676

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.



96.0671, 89.9724, 85.9974



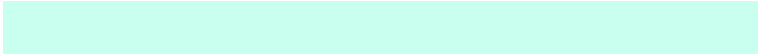
75.0120, 89.9724, 94.3018



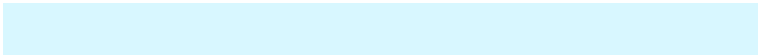
94.6742, 89.9724, 118.1238

Square

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



75.0120, 89.9724, 94.3018



84.2274, 89.9724, 132.8465



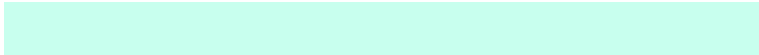
96.9576, 89.9724, 101.7211



86.8179, 89.9724, 69.7950

Rectangle

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



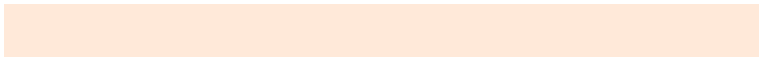
75.0120, 89.9724, 94.3018



77.7244, 89.9724, 121.2765



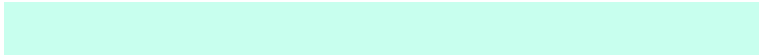
96.9576, 89.9724, 101.7211



93.8118, 89.9724, 77.8496

Sweetspot

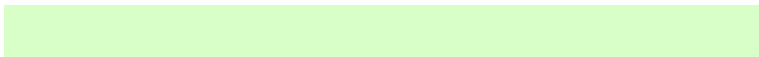
The Sweet Spot groups the original color and five complimentary colors.



75.0129, 89.9728, 94.3033



88.8913, 96.9120, 104.6864



74.9253, 90.5061, 68.1653



18.8888, 20.6742, 22.3106



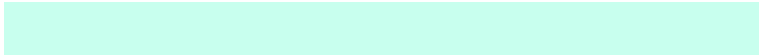
0.0000, 0.0000, 0.0000



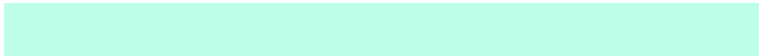
20.3446, 21.4041, 23.3091

Same Dimension

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



75.0129, 89.9728, 94.3033



71.5964, 88.2703, 91.4900



74.4973, 84.7543, 107.0405



18.3018, 20.3802, 21.8922



22.8599, 39.0405, 28.2110



2.2748, 3.8209, 3.0051

Inverse Universe

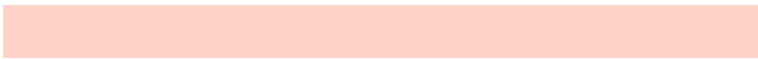
The Inverse Universe completely reimagines the original color for something new.



74.4192, 67.5793, 74.7676



70.9055, 62.1392, 68.7028



74.7332, 71.5654, 64.5195



18.2405, 18.0795, 19.8838



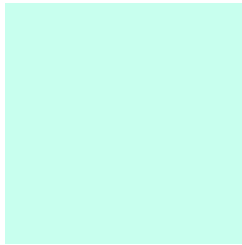
22.3410, 11.4257, 5.1804



2.2218, 1.1311, 0.7493

Previews

White Background



This preview shows how the XYZ color 75.0120, 89.9724, 94.3018 looks on a white background.

Color Contrast Check

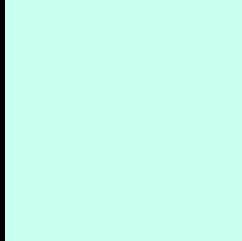
Large Text (above 18pt) WCAG AA × Fail

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 75.0120, 89.9724, 94.3018 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 75.0120, 89.9724, 94.3018

Background



This preview shows how black text looks on a background with the XYZ color 75.0120, 89.9724, 94.3018.



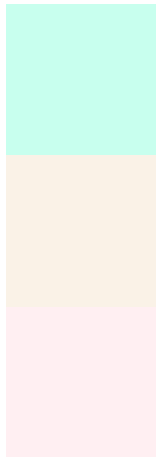
This preview shows how white text looks on a background with the XYZ color 75.0120, 89.9724,

94.3018.

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

75.0120, 89.9724, 94.3018

Protanopia

85.6003, 89.5978, 88.3838

Deuteranopia

88.1335, 89.4038, 96.6159



Tritanopia

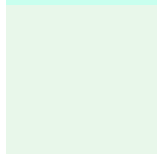
83.0007, 89.6255, 107.5326

Trichromacy



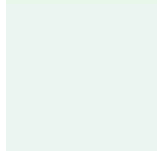
Original Color

75.0120, 89.9724, 94.3018



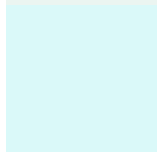
Protanomaly

81.3908, 89.6178, 90.8501



Deuteranomaly

82.7905, 89.3179, 96.0956



Tritanomaly

79.8880, 89.4963, 102.6865

Monochromacy



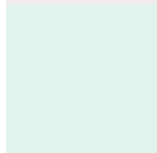
Original Color

75.0120, 89.9724, 94.3018



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.3772, 86.6631, 92.7175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0120, 89.9724, 94.3018 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(200, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 238)  
}
```

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(200, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 75.0120, 89.9724, 94.3018 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(200, 255, 238) }
```


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

```
.border{ border-color:rgb(200, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0120, 89.9724, 94.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 238) }
```

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

```
.background{ background-color: rgb(200,  
255, 238) }
```

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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