

Converting Colors

XYZ(76.0077, 90.4252, 96.6605)

Have a look what the booklet for
XYZ(76.0077, 90.4252, 96.6605)
contains.

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Color

**XYZ(75.9943, 90.4274,
96.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFF1
RGB	202, 255, 241
RGB Percent	79%, 100%, 95%
CMY	0.2078, 0.0000, 0.0549
CMYK	0.21, 0.00, 0.05, 0.00
HSL	164°, 100%, 90%
HSV	164°, 21%, 100%
XYZ	75.9943, 90.4274, 96.6680
YIQ	237.5570, -27.0940, -15.5900

Conversions

Conversions Part 2

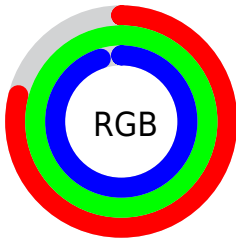
Format	Color
R_{YB}	202, 233, 255
Decimal	13303793
CIE _{Lab}	96.17, -19.44, 1.18
CIE _{LCh}	96, 19.473, 176.524
Yxy	90.4274, 0.2889, 0.3437
Android (android.graphics.Color)	4291493873 (0xFFCAFFF1)
YUV	237.5570, 1.6974, -31.1835
Hunter-Lab	95.0933, -23.7642, 6.2935

Details

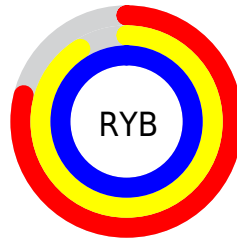
The XYZ color **75.9943, 90.4274, 96.6680** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7558, 68.4601, 74.2402**, and the grayscale version is **80.9277, 85.1422, 92.7199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9837, 50.0940, 53.4080** is the 20% darker color. If you saturate the color by 10%, you get **68.6679, 86.7646, 91.1709**, and if you desaturate by 10%, it is **84.4998, 94.6937, 102.4174**.

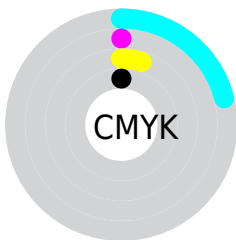
Distribution



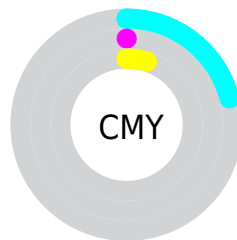
- Red (79%)
- Green (100%)
- Blue (95%)



- Red (79%)
- Yellow (91%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9943, 90.4274, 96.6680 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 75.9943, 90.4274, 96.6680 by changing the saturation by 10% instead.

75.9943, 90.4274,
96.6680

75.9943, 90.4274,
96.6680

470.2729,
529.4202, 570.6114

56.7249, 68.3352,
72.9195

126.6992,
147.9319, 158.5824

41.0237, 50.1705,
53.4187

158.8655,
184.1130, 197.5853

28.5253, 35.5489,
37.7471

196.0614,
225.7592, 242.5101

18.8645, 24.0860,
25.4862

238.6522,
273.2549, 293.7753

11.6758, 15.3974,
16.2173

287.0035,
326.9844, 351.7996

6.5940, 9.0988,
9.5221

341.4804,

3.2536, 4.8057,

387.3322, 417.0013

4.9818

402.4484,
454.6827, 489.7990

■ 1.2892, 2.1337,
2.1780

■ 0.1751, 0.6835,
0.6617

■ 75.9943, 90.4274,
96.6680

■ 75.9943, 90.4274,
96.6680

■ 68.6679, 86.7646,
91.1709

■ 84.4998, 94.6937,
102.4174

■ 62.4615, 83.6750,
85.9169

■ 94.2340, 99.5892,
108.4190

■ 57.3150, 81.1275,
80.9026

■ 95.0500, 100.0000,
108.9000

■ 53.1612, 79.0876,
76.1226

■ 49.9252, 77.5168,
71.5713

■ 47.5212, 76.3708,
67.2424

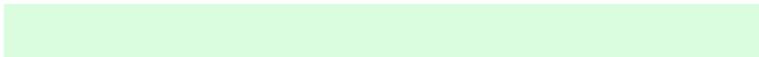
■ 45.8463, 75.5967,
63.1289

■ 44.7991, 75.1356,
59.5193

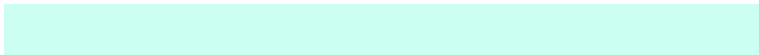
Harmonies

Analogous

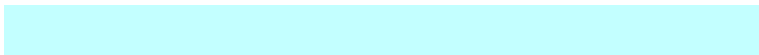
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5744, 90.4274, 82.9500



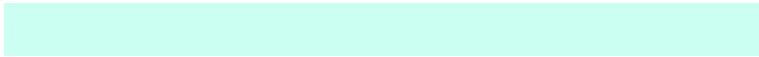
75.9943, 90.4274, 96.6680



76.9879, 90.4274, 112.3475

Triad

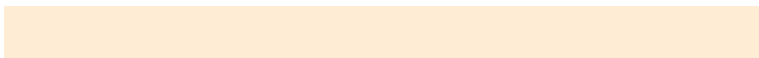
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9943, 90.4274, 96.6680



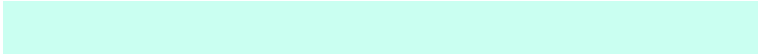
90.6699, 90.4274, 127.5392



91.8046, 90.4274, 75.6782

Complementary

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



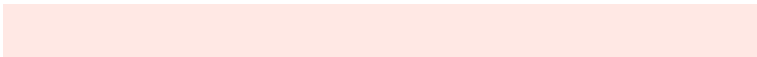
75.9943, 90.4274, 96.6680



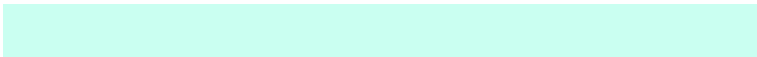
74.7558, 68.4601, 74.2402

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.



95.5788, 90.4274, 85.7670



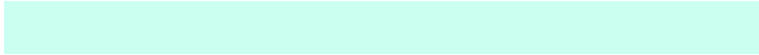
75.9943, 90.4274, 96.6680



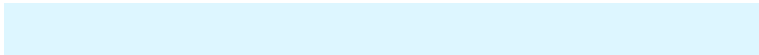
94.9046, 90.4274, 115.7922

Square

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



75.9943, 90.4274, 96.6680



85.3205, 90.4274, 131.2289



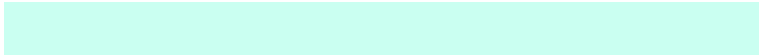
96.7361, 90.4274, 100.2741



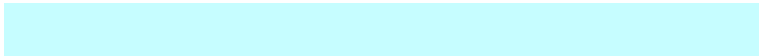
86.5796, 90.4274, 71.6580

Rectangle

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



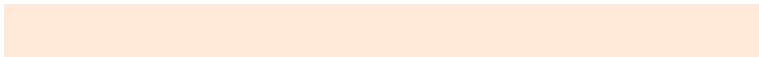
75.9943, 90.4274, 96.6680



78.9997, 90.4274, 121.6567



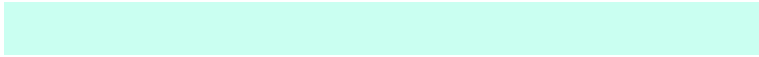
96.7361, 90.4274, 100.2741



93.2933, 90.4274, 78.4170

Sweetspot

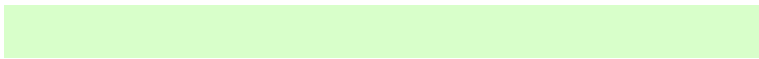
The Sweet Spot groups the original color and five complimentary colors.



75.9952, 90.4279, 96.6695



88.9995, 96.9552, 105.2562



74.7798, 90.4039, 69.3870



18.9145, 20.6845, 22.4455



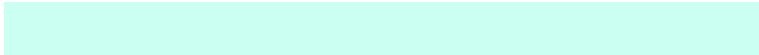
0.0000, 0.0000, 0.0000



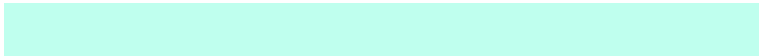
20.3446, 21.4041, 23.3091

Same Dimension

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



75.9952, 90.4279, 96.6695



72.7652, 88.8114, 94.3208



74.3489, 83.6592, 106.8370



18.3380, 20.3947, 22.0828



23.4734, 39.2860, 31.4420



2.3306, 3.8432, 3.2990

Inverse Universe

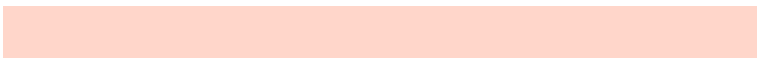
The Inverse Universe completely reimagines the original color for something new.



74.7558, 68.4601, 74.2402



71.3214, 63.1891, 68.1691



76.0409, 73.8043, 66.1165



18.2063, 18.0658, 19.7037



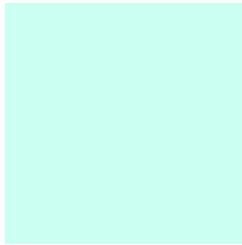
22.1357, 11.3436, 4.0990



2.1980, 1.1216, 0.6243

Previews

White Background



This preview shows how the XYZ color 75.9943, 90.4274, 96.6680 looks on a white background.

Color Contrast Check

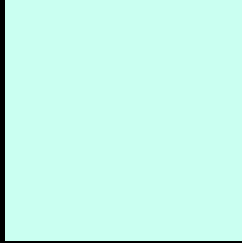
Large Text (above 18pt) WCAG AA × Fail

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 75.9943, 90.4274, 96.6680 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

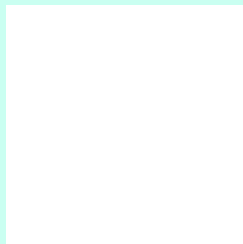
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9943, 90.4274, 96.6680

Background



This preview shows how black text looks on a background with the XYZ color 75.9943, 90.4274, 96.6680.



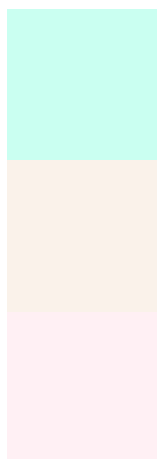
This preview shows how white text looks on a background with the XYZ color 75.9943, 90.4274,

96.6680.

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

75.9943, 90.4274, 96.6680

Protanopia

86.0278, 89.7688, 90.6349

Deuteranopia

88.7292, 90.1118, 98.3047



Tritanopia

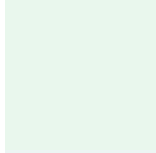
83.6389, 89.9545, 107.5625

Trichromacy



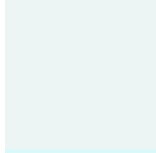
Original Color

75.9943, 90.4274, 96.6680



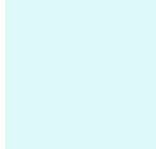
Protanomaly

82.1511, 89.9596, 93.1549



Deuteranomaly

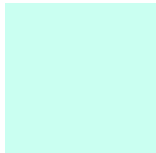
83.4221, 89.6087, 97.6934



Tritanomaly

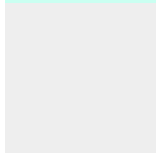
80.6462, 89.8691, 103.5384

Monochromacy



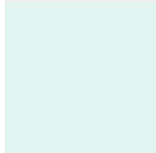
Original Color

75.9943, 90.4274, 96.6680



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9820, 86.9409, 94.2798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9943, 90.4274, 96.6680 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(202, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 241)  
}
```

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(202, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 75.9943, 90.4274, 96.6680 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(202, 255, 241) }
```


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

```
.border{ border-color:rgb(202, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9943, 90.4274, 96.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 241) }
```

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

```
.background{ background-color: rgb(202,  
255, 241) }
```

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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