

Converting Colors

XYZ(80.6555, 99.8378,
101.3152)

Have a look what the booklet for
XYZ(80.6555, 99.8378, 101.3152)
contains.

XYZ(75.7946, 90.2547, 99.8123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.7946, 90.2547,
99.8123)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFF5
RGB	199, 255, 245
RGB Percent	78%, 100%, 96%
CMY	0.2196, 0.0000, 0.0392
CMYK	0.22, 0.00, 0.04, 0.00
HSL	169°, 100%, 89%
HSV	169°, 22%, 100%
XYZ	75.7946, 90.2547, 99.8123
YIQ	237.1160, -30.1660, -14.9820

Conversions

Conversions Part 2

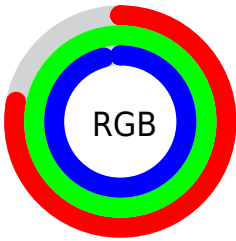
Format	Color
R_{YB}	199, 230, 255
Decimal	13107189
CIE _{Lab}	96.10, -19.54, -1.00
CIE _{LCh}	96, 19.562, 182.944
Y _{xy}	90.2547, 0.2851, 0.3395
Android (android.graphics.Color)	4291297269 (0xFFC7FFF5)
YUV	237.1160, 3.8868, -33.4277
Hunter-Lab	95.0025, -23.8440, 4.2100

Details

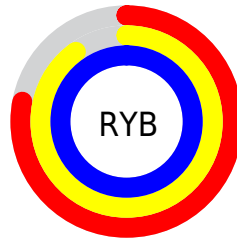
The XYZ color **75.7946, 90.2547, 99.8123** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1727, 66.7114, 69.3420**, and the grayscale version is **80.5730, 84.7691, 92.3135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8810, 49.9916, 55.6388** is the 20% darker color. If you saturate the color by 10%, you get **68.8999, 86.7796, 95.9069**, and if you desaturate by 10%, it is **83.8420, 94.3219, 103.8639**.

Distribution



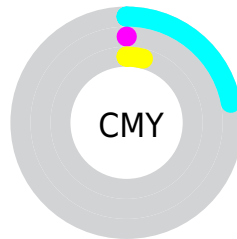
- Red (78%)
- Green (100%)
- Blue (96%)



- Red (78%)
- Yellow (90%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7946, 90.2547, 99.8123 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 75.7946, 90.2547, 99.8123 by changing the saturation by 10% instead.

75.7946, 90.2547,
99.8123

75.7946, 90.2547,
99.8123

469.5995,
528.8590, 580.8323

56.5606, 68.1919,
75.5278

126.4184,
147.6921, 162.9488

40.8913, 50.0539,
55.5410

158.5389,
183.8356, 202.6379

28.4215, 35.4562,
39.4335

195.6856,
225.4413, 248.2990

18.7857, 24.0145,
26.7867

238.2239,
272.8938, 300.3505

11.6186, 15.3444,
17.1821

286.5190,
326.5775, 359.2111

6.5549, 9.0614,
10.2011

340.9364,

3.2292, 4.7813,

386.8766, 425.2992

5.4251

401.8415,
454.1757, 499.0334

■ 1.2761, 2.1195,
2.4357

■ 0.1652, 0.6756,
0.8058

■ 75.7946, 90.2547,
99.8123

■ 75.7946, 90.2547,
99.8123

■ 68.8999, 86.7796,
95.9069

■ 83.8420, 94.3219,
103.8639

■ 63.0984, 83.8662,
92.1398

■ 93.0919, 99.0071,
108.0602

■ 58.3297, 81.4833,
88.5091

■ 95.0500, 100.0000,
108.9000

■ 54.5262, 79.5960,
85.0109

■ 51.6122, 78.1653,
81.6411

■ 49.5004, 77.1463,
78.3950

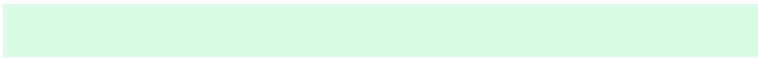
■ 48.0857, 76.4848,
75.2668

■ 47.3270, 76.1468,
72.8309

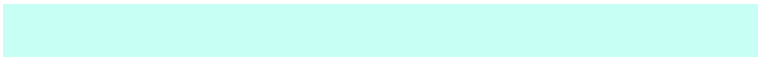
Harmonies

Analogous

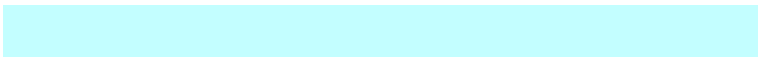
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8366, 90.2547, 85.3150



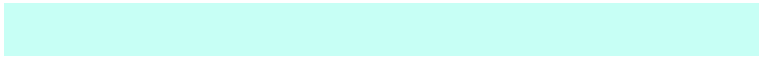
75.7946, 90.2547, 99.8123



77.3348, 90.2547, 115.4077

Triad

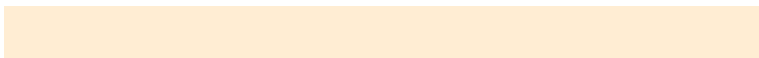
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7946, 90.2547, 99.8123



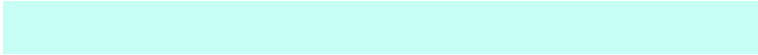
91.5758, 90.2547, 125.4991



90.6112, 90.2547, 74.0227

Complementary

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



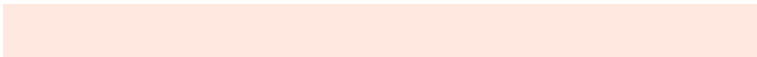
75.7946, 90.2547, 99.8123



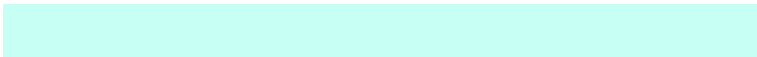
73.1727, 66.7114, 69.3420

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.



94.8281, 90.2547, 82.9224



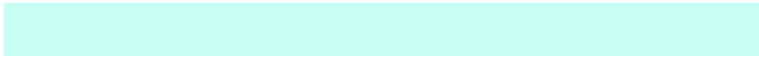
75.7946, 90.2547, 99.8123



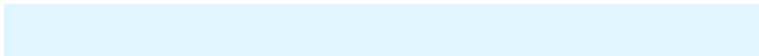
95.4012, 90.2547, 112.4787

Square

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



75.7946, 90.2547, 99.8123



86.3205, 90.2547, 131.1839



96.6155, 90.2547, 96.7477



85.2505, 90.2547, 71.3839

Rectangle

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



75.7946, 90.2547, 99.8123



79.6581, 90.2547, 124.0590



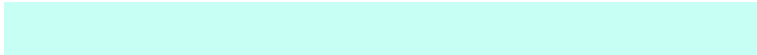
96.6155, 90.2547, 96.7477



92.2170, 90.2547, 76.3316

Sweetspot

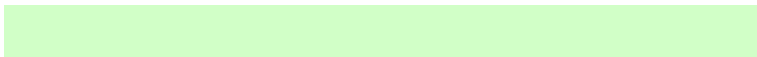
The Sweet Spot groups the original color and five complimentary colors.



75.7955, 90.2551, 99.8138



88.2762, 96.5668, 105.9267



72.4397, 89.2382, 67.4410



18.7758, 20.6090, 22.6185



0.0000, 0.0000, 0.0000



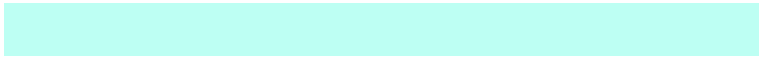
20.3446, 21.4041, 23.3091

Same Dimension

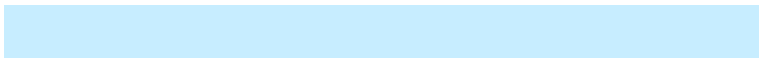
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7955, 90.2551, 99.8138



72.8741, 88.7814, 98.2183



71.9655, 80.0858, 106.2729



18.4075, 20.4225, 22.4488



24.7800, 39.8086, 38.3222



2.4475, 3.8899, 3.9142

Inverse Universe

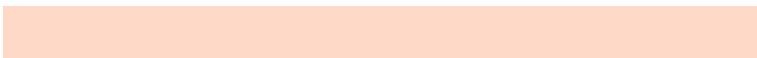
The Inverse Universe completely reimagines the original color for something new.



73.1727, 66.7114, 69.3420



69.8614, 61.7216, 63.2050



76.2937, 74.8728, 64.4651



18.1418, 18.0400, 19.3637



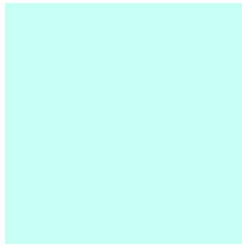
21.8396, 11.2252, 2.5401



2.1608, 1.1067, 0.4281

Previews

White Background



This preview shows how the XYZ color 75.7946, 90.2547, 99.8123 looks on a white background.

Color Contrast Check

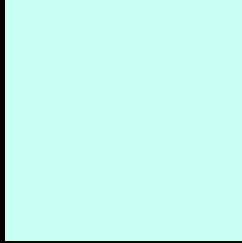
Large Text (above 18pt) WCAG AA × Fail

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 75.7946, 90.2547, 99.8123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

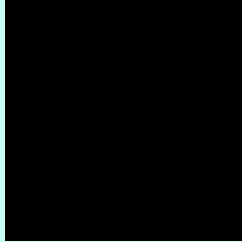
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

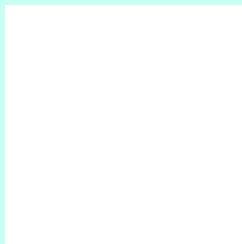
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7946, 90.2547, 99.8123

Background



This preview shows how black text looks on a background with the XYZ color 75.7946, 90.2547, 99.8123.



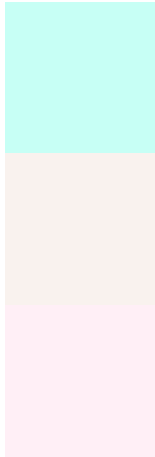
This preview shows how white text looks on a background with the XYZ color 75.7946, 90.2547,

99.8123.

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

75.7946, 90.2547, 99.8123

Protanopia

86.2517, 89.8170, 93.6794

Deuteranopia

88.7411, 89.6468, 99.8152



Tritanopia

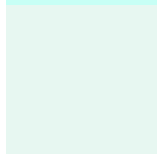
83.0007, 89.6255, 107.5326

Trichromacy



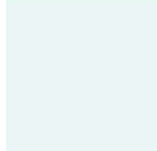
Original Color

75.7946, 90.2547, 99.8123



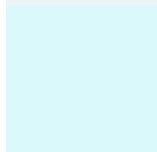
Protanomaly

82.0929, 89.8613, 96.2373



Deuteranomaly

83.5479, 89.6208, 100.0839



Tritanomaly

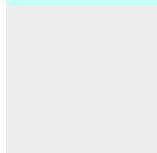
79.9035, 89.4681, 104.3245

Monochromacy



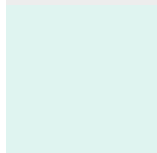
Original Color

75.7946, 90.2547, 99.8123



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5103, 86.6806, 95.0312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7946, 90.2547, 99.8123 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(199, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 75.7946, 90.2547, 99.8123 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(199, 255, 245) }
```


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

```
.border{ border-color:rgb(199, 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(199, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7946, 90.2547, 99.8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 245) }
```

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

```
.background{ background-color: rgb(199,  
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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