

Converting Colors

XYZ(104.6909, 148.5092,
109.5673)

Have a look what the booklet for
XYZ(104.6909, 148.5092, 109.5673)
contains.

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Color

**XYZ(75.5301, 90.1183,
99.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFF5
RGB	198, 255, 245
RGB Percent	78%, 100%, 96%
CMY	0.2235, 0.0000, 0.0392
CMYK	0.22, 0.00, 0.04, 0.00
HSL	169°, 100%, 89%
HSV	169°, 22%, 100%
XYZ	75.5301, 90.1183, 99.7999
YIQ	236.8170, -30.7620, -15.1940

Conversions

Conversions Part 2

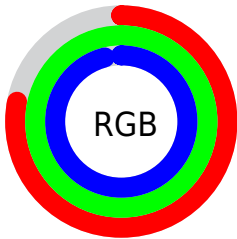
Format	Color
R _Y B	198, 229, 255
Decimal	13041653
CIE Lab	96.05, -19.83, -1.09
CIE LCh	96, 19.862, 183.157
Yxy	90.1183, 0.2845, 0.3395
Android (android.graphics.Color)	4291231733 (0xFFC6FFF5)
YUV	236.8170, 4.0342, -34.0425
Hunter-Lab	94.9307, -24.1079, 4.1203

Details

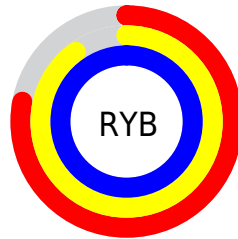
The XYZ color **75.5301, 90.1183, 99.7999** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8199, 66.2034, 68.6155**, and the grayscale version is **80.3422, 84.5262, 92.0491**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7071, 49.9019, 55.6307** is the 20% darker color. If you saturate the color by 10%, you get **68.6906, 86.6704, 95.9592**, and if you desaturate by 10%, it is **83.5196, 94.1571, 103.7836**.

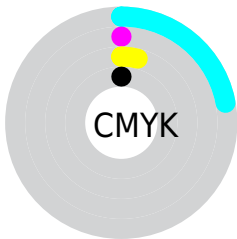
Distribution



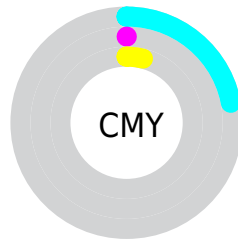
- Red (78%)
- Green (100%)
- Blue (96%)



- 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 75.5301, 90.1183, 99.7999 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 75.5301, 90.1183, 99.7999 by changing the saturation by 10% instead.


 75.5301, 90.1183,
99.7999

 75.5301, 90.1183,
99.7999


468.7068,
528.4156, 580.7921

 56.3430, 68.0788,
75.5175


126.0464,
147.5027, 162.9316

 40.7161, 49.9618,
55.5327


158.1062,
183.6164, 202.6181

 28.2840, 35.3831,
39.4269


195.1877,
225.1902, 248.2762

 18.6814, 23.9581,
26.7816

237.6561,
272.6086, 300.3247

 11.5429, 15.3025,
17.1783

285.8769,
326.2559, 359.1819

 6.5032, 9.0320,
10.1984

340.2154,

 3.1970, 4.7621,

386.5166, 425.2666

5.4234

401.0369,
453.7750, 498.9971

■ 1.2588, 2.1083,
2.4347

■ 0.1520, 0.6693,
0.8052

■ 75.5301, 90.1183,
99.7999

■ 75.5301, 90.1183,
99.7999

■ 68.6906, 86.6704,
95.9592

■ 83.5196, 94.1571,
103.7836

■ 62.9415, 83.7826,
92.2536

■ 92.7089, 98.8126,
107.9087

■ 58.2220, 81.4238,
88.6812

■ 95.0500, 100.0000,
108.9000

■ 54.4644, 79.5590,
85.2382

■ 51.5925, 78.1490,
81.9204

■ 49.5186, 77.1485,
78.7230

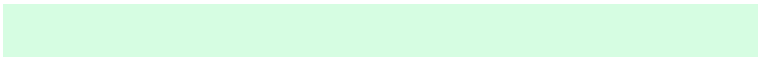
■ 48.1365, 76.5028,
75.6406

■ 47.4264, 76.1866,
73.3546

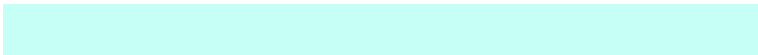
Harmonies

Analogous

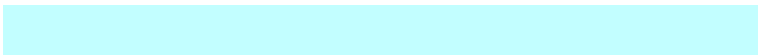
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5672, 90.1183, 85.0817



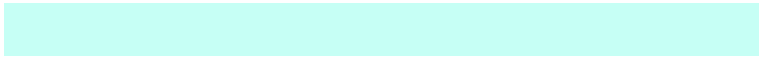
75.5301, 90.1183, 99.7999



77.1086, 90.1183, 115.6255

Triad

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



75.5301, 90.1183, 99.7999



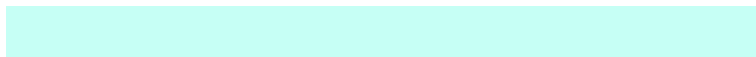
91.5658, 90.1183, 125.7050



90.5158, 90.1183, 73.5202

Complementary

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



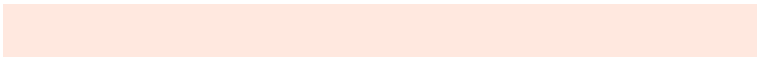
75.5301, 90.1183, 99.7999



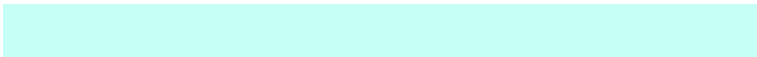
72.8199, 66.2034, 68.6155

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.



94.8101, 90.1183, 82.4832



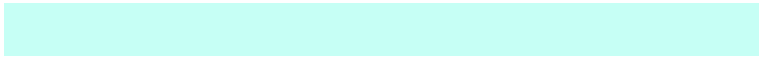
75.5301, 90.1183, 99.7999



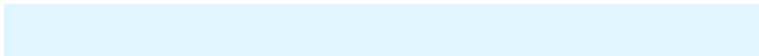
95.4343, 90.1183, 112.4343

Square

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



75.5301, 90.1183, 99.7999



86.2381, 90.1183, 131.5523



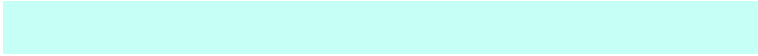
96.6460, 90.1183, 96.4660



85.0740, 90.1183, 70.8996

Rectangle

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



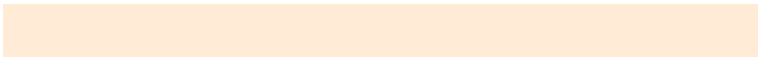
75.5301, 90.1183, 99.7999



79.4729, 90.1183, 124.3927



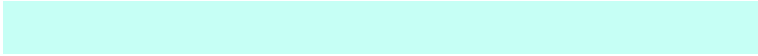
96.6460, 90.1183, 96.4660



92.1491, 90.1183, 75.8404

Sweetspot

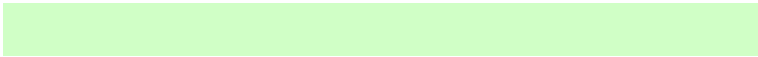
The Sweet Spot groups the original color and five complimentary colors.



75.5311, 90.1188, 99.8014



88.2851, 96.5703, 105.9733



72.0931, 89.0729, 66.8207



18.7779, 20.6098, 22.6294



0.0000, 0.0000, 0.0000



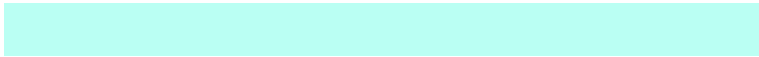
20.3446, 21.4041, 23.3091

Same Dimension

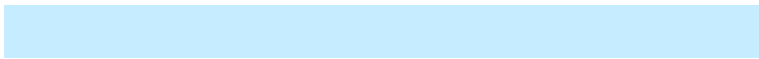
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5311, 90.1188, 99.8014



72.2122, 88.4443, 97.9983



71.6093, 79.7660, 106.2299



18.4100, 20.4235, 22.4622



24.8313, 39.8291, 38.5924



2.4520, 3.8917, 3.9382

Inverse Universe

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



72.8199, 66.2034, 68.6155



69.0498, 60.5288, 61.6075



76.0025, 74.4756, 63.7971



18.1394, 18.0391, 19.3513



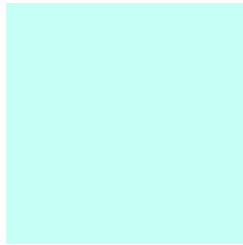
21.8310, 11.2217, 2.4948



2.1596, 1.1062, 0.4219

Previews

White Background



This preview shows how the XYZ color 75.5301, 90.1183, 99.7999 looks on a white background.

Color Contrast Check

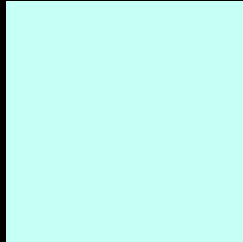
Large Text (above 18pt) WCAG AA × Fail

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 75.5301, 90.1183, 99.7999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

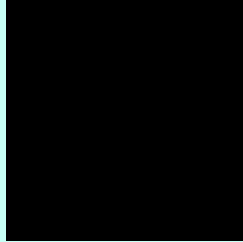
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

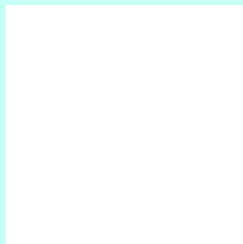
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.5301, 90.1183, 99.7999

Background



This preview shows how black text looks on a background with the XYZ color 75.5301, 90.1183, 99.7999.



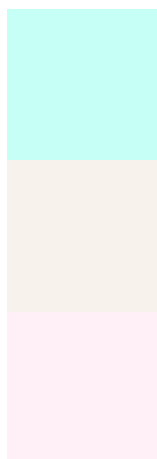
This preview shows how white text looks on a background with the XYZ color 75.5301, 90.1183,

99.7999.

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

75.5301, 90.1183, 99.7999

Protanopia

85.7496, 89.5751, 92.8910

Deuteranopia

88.7411, 89.6468, 99.8152



Tritanopia

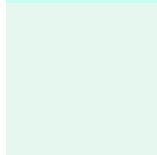
83.0007, 89.6255, 107.5326

Trichromacy



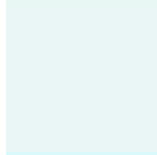
Original Color

75.5301, 90.1183, 99.7999



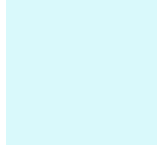
Protanomaly

81.6221, 89.6358, 95.4376



Deuteranomaly

83.2186, 89.4511, 100.0685



Tritanomaly

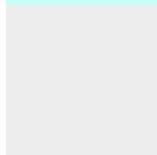
79.9035, 89.4681, 104.3245

Monochromacy



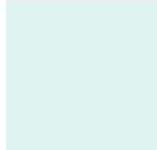
Original Color

75.5301, 90.1183, 99.7999



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 75.5301, 90.1183, 99.7999 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(198, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 245) }
```

Border

The CSS property to change the border of an element to XYZ 75.5301, 90.1183, 99.7999 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(198, 255, 245) }
```


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

```
.border{ border-color:rgb(198, 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(198, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5301, 90.1183, 99.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 245) }
```

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

```
.background{ background-color: rgb(198,  
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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