

Converting Colors

XYZ(81.4939, 101.5395,
103.1415)

Have a look what the booklet for
XYZ(81.4939, 101.5395, 103.1415)
contains.

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Color

**XYZ(75.8372, 90.2412,
101.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFF7
RGB	198, 255, 247
RGB Percent	78%, 100%, 97%
CMY	0.2235, 0.0000, 0.0314
CMYK	0.22, 0.00, 0.03, 0.00
HSL	172°, 100%, 89%
HSV	172°, 22%, 100%
XYZ	75.8372, 90.2412, 101.4169
YIQ	237.0450, -31.4040, -14.5720

Conversions

Conversions Part 2

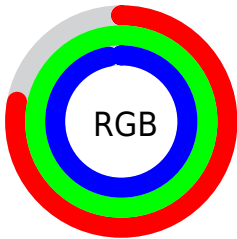
Format	Color
R_{YB}	198, 229, 255
Decimal	13041655
CIE _{Lab}	96.10, -19.42, -2.05
CIE _{LCh}	96, 19.533, 186.024
Y _{xy}	90.2412, 0.2835, 0.3374
Android (android.graphics.Color)	4291231735 (0xFFC6FFF7)
YUV	237.0450, 4.9078, -34.2425
Hunter-Lab	94.9954, -23.7408, 3.1989

Details

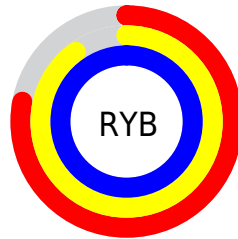
The XYZ color **75.8372, 90.2412, 101.4169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5753, 66.1056, 67.3276**, and the grayscale version is **80.5114, 84.7043, 92.2430**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9257, 49.9894, 56.7821** is the 20% darker color. If you saturate the color by 10%, you get **69.1255, 86.8443, 98.2490**, and if you desaturate by 10%, it is **83.6930, 94.2265, 104.6966**.

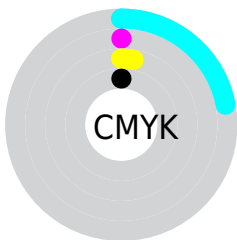
Distribution



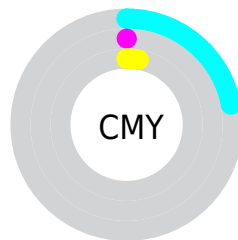
- Red (78%)
- Green (100%)
- Blue (97%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8372, 90.2412, 101.4169 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 75.8372, 90.2412, 101.4169 by changing the saturation by 10% instead.

75.8372, 90.2412,
101.4169

75.8372, 90.2412,
101.4169

469.7432,
528.8152, 586.0113

56.5956, 68.1807,
76.8609

126.4783,
147.6734, 165.1718

40.9195, 50.0448,
56.6278

158.6086,
183.8139, 205.2078

28.4436, 35.4490,
40.2992

195.7658,
225.4165, 251.2408

18.8025, 24.0089,
27.4563

238.3153,
272.8656, 303.6895

11.6308, 15.3402,
17.6808

286.6224,
326.5456, 362.9724

6.5632, 9.0585,
10.5540

341.0525,

3.2344, 4.7794,

386.8410, 429.5079

5.6574

401.9710,
454.1360, 503.7147

■ 1.2789, 2.1184,
2.5725

■ 0.1673, 0.6749,
0.8782

■ 75.8372, 90.2412,
101.4169

■ 75.8372, 90.2412,
101.4169

■ 69.1255, 86.8443,
98.2490

■ 83.6930, 94.2265,
104.6966

■ 63.4983, 84.0053,
95.1854

■ 92.7426, 98.8261,
108.0863

■ 58.8949, 81.6930,
92.2245

■ 95.0500, 100.0000,
108.9000

■ 55.2476, 79.8723,
89.3627

■ 52.4804, 78.5042,
86.5962

■ 50.5056, 77.5433,
83.9206

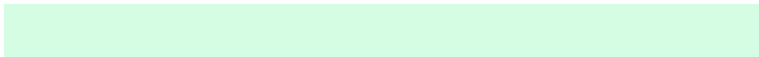
■ 49.2171, 76.9350,
81.3305

■ 48.5747, 76.6459,
79.4015

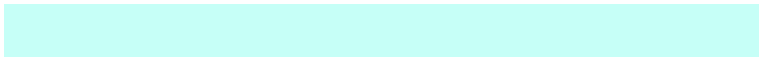
Harmonies

Analogous

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



76.6138, 90.2412, 86.6420



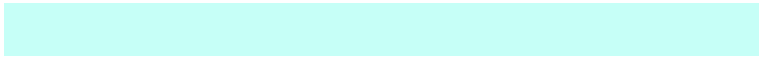
75.8372, 90.2412, 101.4169



77.6307, 90.2412, 116.8400

Triad

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



75.8372, 90.2412, 101.4169



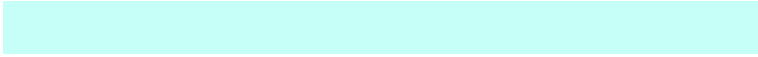
92.0359, 90.2412, 124.3744



90.0683, 90.2412, 73.4733

Complementary

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



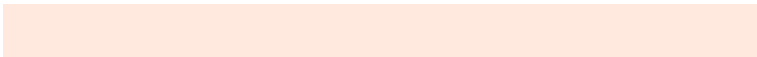
75.8372, 90.2412, 101.4169



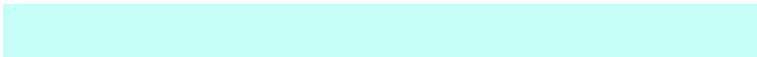
72.5753, 66.1056, 67.3276

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.



94.4625, 90.2412, 81.7575



75.8372, 90.2412, 101.4169



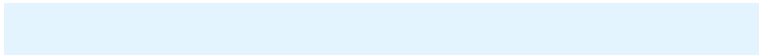
95.6315, 90.2412, 110.8670

Square

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



75.8372, 90.2412, 101.4169



86.8678, 90.2412, 130.9610



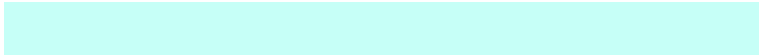
96.5377, 90.2412, 95.1641



84.6846, 90.2412, 71.5089

Rectangle

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



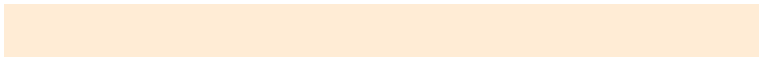
75.8372, 90.2412, 101.4169



80.0887, 90.2412, 125.0903



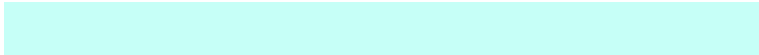
96.5377, 90.2412, 95.1641



91.7171, 90.2412, 75.5653

Sweetspot

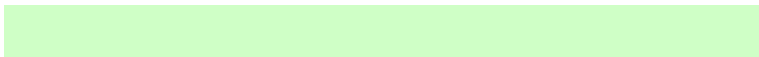
The Sweet Spot groups the original color and five complimentary colors.



75.8382, 90.2416, 101.4184



88.3844, 96.6101, 106.4967



71.5605, 88.7983, 66.7958



18.8009, 20.6191, 22.7509



0.0000, 0.0000, 0.0000



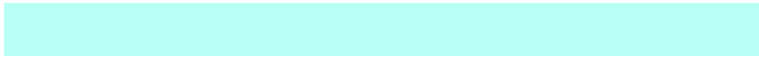
20.3446, 21.4041, 23.3091

Same Dimension

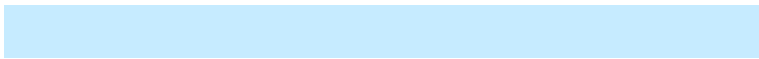
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8382, 90.2416, 101.4184



72.5793, 88.5912, 99.9319



71.0623, 78.6719, 106.0476



18.4388, 20.4350, 22.6135



25.4235, 40.0660, 41.7112



2.5042, 3.9126, 4.2131

Inverse Universe

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



72.5753, 66.1056, 67.3276



68.7729, 60.4180, 60.1492



76.4922, 75.4551, 63.9603



18.1132, 18.0286, 19.2131



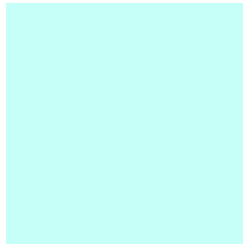
21.7447, 11.1872, 2.0403



2.1471, 1.1012, 0.3563

Previews

White Background



This preview shows how the XYZ color 75.8372, 90.2412, 101.4169 looks on a white background.

Color Contrast Check

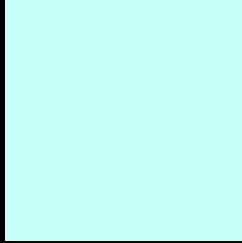
Large Text (above 18pt) WCAG AA × Fail

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 75.8372, 90.2412, 101.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

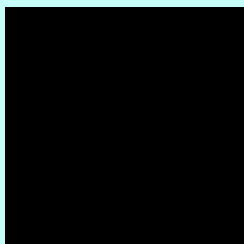
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

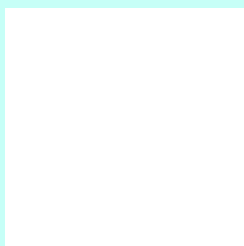
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8372, 90.2412, 101.4169

Background



This preview shows how black text looks on a background with the XYZ color 75.8372, 90.2412, 101.4169.

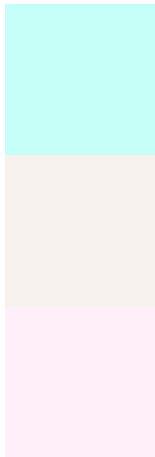


This preview shows how white text looks on a background with the XYZ color 75.8372, 90.2412,

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

75.8372, 90.2412, 101.4169

Protanopia

86.0435, 89.6927, 94.4388

Deuteranopia

89.0498, 89.7703, 101.4409



Tritanopia

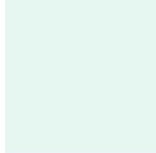
83.0007, 89.6255, 107.5326

Trichromacy



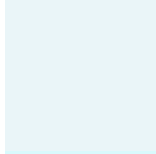
Original Color

75.8372, 90.2412, 101.4169



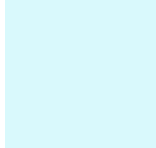
Protanomaly

81.9209, 89.7553, 97.0112



Deuteranomaly

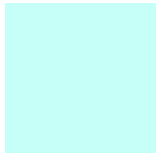
83.5274, 89.5746, 101.6942



Tritanomaly

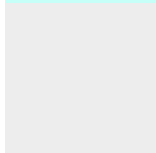
80.0616, 89.5314, 105.1570

Monochromacy



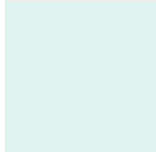
Original Color

75.8372, 90.2412, 101.4169



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.6593, 86.7402, 95.8158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8372, 90.2412, 101.4169 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 75.8372, 90.2412, 101.4169 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, 247) }
```


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

```
.border{ border-color:rgb(198, 255, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8372, 90.2412, 101.4169 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, 247) }
```

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

```
.background{ background-color: rgb(198,  
255, 247) }
```

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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