

Converting Colors

XYZ(80.5578, 100.0000,
104.1037)

Have a look what the booklet for
XYZ(80.5578, 100.0000, 104.1037)
contains.

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Color

**XYZ(75.4682, 90.0331,
102.2075)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFF8
RGB	196, 255, 248
RGB Percent	77%, 100%, 97%
CMY	0.2314, 0.0000, 0.0274
CMYK	0.23, 0.00, 0.03, 0.00
HSL	173°, 100%, 88%
HSV	173°, 23%, 100%
XYZ	75.4682, 90.0331, 102.2075
YIQ	236.5610, -32.9170, -14.6850

Conversions

Conversions Part 2

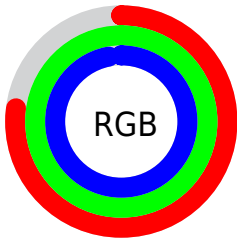
Format	Color
R_{YB}	196, 227, 255
Decimal	12910584
CIE _{Lab}	96.01, -19.81, -2.70
CIE _{LCh}	96, 19.990, 187.776
Y _{xy}	90.0331, 0.2819, 0.3363
Android (android.graphics.Color)	4291100664 (0xFFC4FFF8)
YUV	236.5610, 5.6394, -35.5720
Hunter-Lab	94.8858, -24.0786, 2.5550

Details

The XYZ color **75.4682, 90.0331, 102.2075** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7601, 65.0528, 65.2746**, and the grayscale version is **80.1348, 84.3080, 91.8115**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **40.6930, 49.8567, 57.3477** is the 20% darker color. If you saturate the color by 10%, you get **68.9243, 86.7133, 99.4725**, and if you desaturate by 10%, it is **83.1488, 93.9379, 105.0382**.

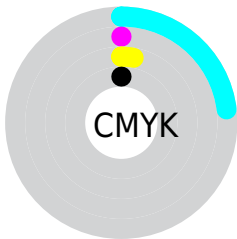
Distribution



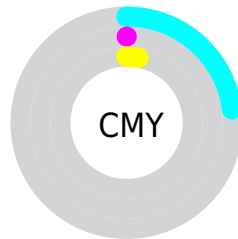
- Red (77%)
- Green (100%)
- Blue (97%)



- Red (77%)
- Yellow (89%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.4682, 90.0331, 102.2075 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 75.4682, 90.0331, 102.2075 by changing the saturation by 10% instead.


 75.4682, 90.0331,
102.2075

 75.4682, 90.0331,
102.2075


468.4977,
528.1385, 588.5542

 56.2921, 68.0081,
77.5183

125.9593,
147.3844, 166.2658

 40.6751, 49.9043,
57.1642


158.0049,
183.4794, 206.4719

 28.2518, 35.3374,
40.7269

195.0711,
225.0333, 252.6873

 18.6570, 23.9229,
27.7876

237.5232,
272.4304, 305.3307

 11.5252, 15.2764,
17.9280

285.7265,
326.0550, 364.8206

 6.4912, 9.0136,
10.7294

340.0465,

 3.1894, 4.7501,

386.2917, 431.5754

5.7733

400.8485,
453.5247, 506.0138

■ 1.2547, 2.1014,
2.6412

■ 0.1489, 0.6654,
0.9136

■ 75.4682, 90.0331,
102.2075

■ 75.4682, 90.0331,
102.2075

■ 68.9243, 86.7133,
99.4725

■ 83.1488, 93.9379,
105.0382

■ 63.4573, 83.9479,
96.8259

■ 92.0163, 98.4537,
107.9627

■ 59.0062, 81.7053,
94.2660

■ 95.0500, 100.0000,
108.9000

■ 55.5025, 79.9503,
91.7895

■ 52.8697, 78.6433,
89.3926

■ 51.0187, 77.7386,
87.0710

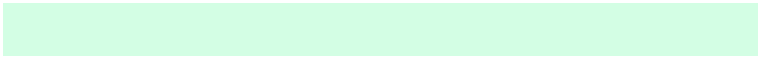
■ 49.8417, 77.1804,
84.8194

■ 49.3168, 76.9427,
83.3094

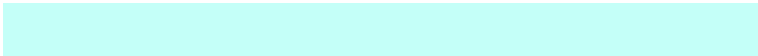
Harmonies

Analogous

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



76.1063, 90.0331, 86.9616



75.4682, 90.0331, 102.2075



77.4441, 90.0331, 117.8862

Triad

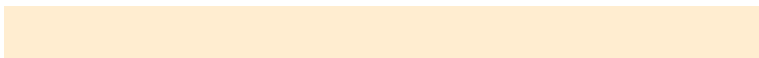
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4682, 90.0331, 102.2075



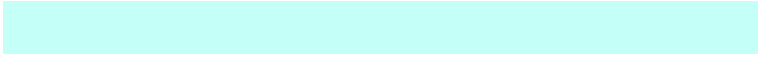
92.2516, 90.0331, 124.1147



89.6574, 90.0331, 72.4643

Complementary

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



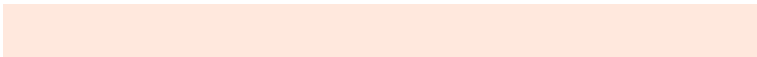
75.4682, 90.0331, 102.2075



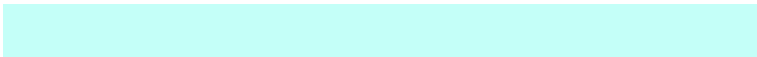
71.7601, 65.0528, 65.2746

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.



94.2534, 90.0331, 80.5402



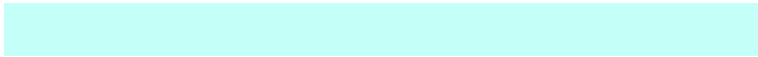
75.4682, 90.0331, 102.2075



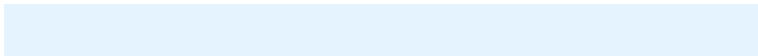
95.7955, 90.0331, 110.0014

Square

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



75.4682, 90.0331, 102.2075



87.0200, 90.0331, 131.3919



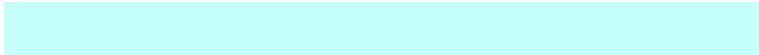
96.5434, 90.0331, 93.9693



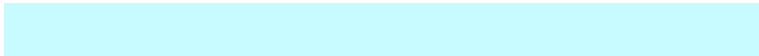
84.1436, 90.0331, 70.8564

Rectangle

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



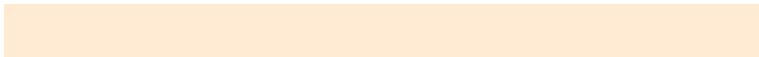
75.4682, 90.0331, 102.2075



80.0300, 90.0331, 126.1047



96.5434, 90.0331, 93.9693



91.3678, 90.0331, 74.4671

Sweetspot

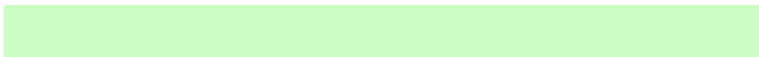
The Sweet Spot groups the original color and five complimentary colors.



75.4692, 90.0335, 102.2090



88.4461, 96.6347, 106.8213



70.5900, 88.3245, 65.5539



18.8153, 20.6248, 22.8263



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

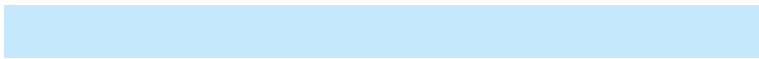
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4692, 90.0335, 102.2090



72.1476, 88.3475, 100.8666



70.0587, 77.4423, 105.8631



18.4566, 20.4422, 22.7074



25.8060, 40.2190, 43.7250



2.5377, 3.9260, 4.3896

Inverse Universe

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



71.7601, 65.0528, 65.2746



67.8196, 59.1839, 57.7586



76.1809, 75.1993, 62.7258



18.0970, 18.0221, 19.1279



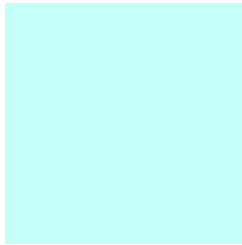
21.7003, 11.1694, 1.8064



2.1396, 1.0982, 0.3164

Previews

White Background



This preview shows how the XYZ color 75.4682, 90.0331, 102.2075 looks on a white background.

Color Contrast Check

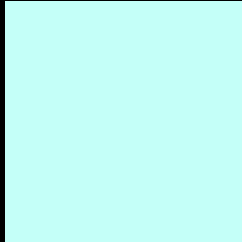
Large Text (above 18pt) WCAG AA × Fail

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 75.4682, 90.0331, 102.2075 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

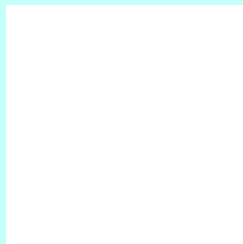
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.4682, 90.0331, 102.2075

Background



This preview shows how black text looks on a background with the XYZ color 75.4682, 90.0331, 102.2075.

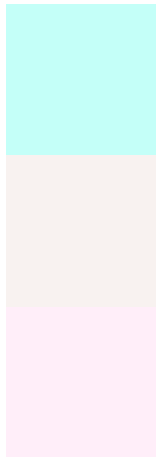


This preview shows how white text looks on a background with the XYZ color 75.4682, 90.0331,

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

75.4682, 90.0331, 102.2075

Protanopia

86.1917, 89.7520, 95.2192

Deuteranopia

88.9134, 89.2486, 102.1630



Tritanopia

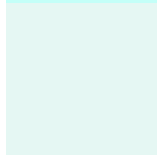
82.6843, 89.4624, 107.5178

Trichromacy



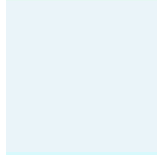
Original Color

75.4682, 90.0331, 102.2075



Protanomaly

81.7515, 89.6506, 97.7896



Deuteranomaly

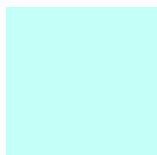
83.3813, 89.0333, 102.4130



Tritanomaly

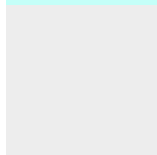
79.7653, 89.3786, 105.1432

Monochromacy



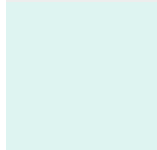
Original Color

75.4682, 90.0331, 102.2075



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.3521, 86.5818, 95.8015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4682, 90.0331, 102.2075 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(196, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 248)  
}
```

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(196, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 248) }
```

Border

The CSS property to change the border of an element to XYZ 75.4682, 90.0331, 102.2075 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(196, 255, 248) }
```


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

```
.border{ border-color:rgb(196, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 248); box-shadow:4px 4px 4px 4px rgb(196, 255, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4682, 90.0331, 102.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 248) }
```

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

```
.background{ background-color: rgb(196,  
255, 248) }
```

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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