

Converting Colors

XYZ(93.3016, 126.2679,
72.6929)

Have a look what the booklet for
XYZ(93.3016, 126.2679, 72.6929)
contains.

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Color

**XYZ(75.7718, 90.9694,
66.9913)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFC6
RGB	221, 255, 198
RGB Percent	87%, 100%, 78%
CMY	0.1333, 0.0000, 0.2235
CMYK	0.13, 0.00, 0.22, 0.00
HSL	96°, 100%, 89%
HSV	96°, 22%, 100%
XYZ	75.7718, 90.9694, 66.9913
YIQ	238.3360, -1.9670, -24.9350

Conversions

Conversions Part 2

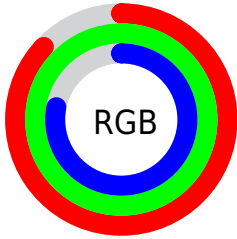
Format	Color
RYB	198, 255, 232
Decimal	14548934
CIELab	96.40, -20.85, 23.68
CIELCh	96, 31.557, 131.365
Yxy	90.9694, 0.3242, 0.3892
Android (android.graphics.Color)	4292739014 (0xFFDDFFC6)
YUV	238.3360, -19.8856, -15.2037
Hunter-Lab	95.3779, -25.1041, 25.1205

Details

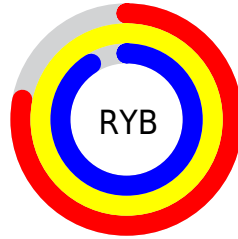
The XYZ color **75.7718, 90.9694, 66.9913** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5237, 64.7652, 103.3390**, and the grayscale version is **81.6782, 85.9318, 93.5797**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7452, 50.4011, 33.9664** is the 20% darker color. If you saturate the color by 10%, you get **68.6501, 87.6097, 52.5752**, and if you desaturate by 10%, it is **83.8095, 94.7439, 84.0377**.

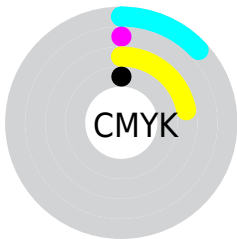
Distribution



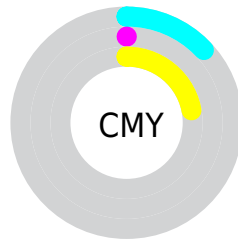
- Red (87%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7718, 90.9694, 66.9913 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 75.7718, 90.9694, 66.9913 by changing the saturation by 10% instead.


 75.7718, 90.9694,
66.9913

 75.7718, 90.9694,
66.9913


469.5226,
531.1792, 468.4145

 56.5418, 68.7849,
48.6160

126.3864,
148.6842, 116.5485

 40.8762, 50.5366,
33.9515


158.5016,
184.9833, 148.5674

 28.4096, 35.8399,
22.5793


195.6427,
226.7562, 185.9714

 18.7767, 24.3106,
14.0808

238.1749,
274.3870, 229.1788

 11.6121, 15.5642,
8.0375

286.4637,
328.2604, 278.6083

 6.5504, 9.2163,
4.0308

340.8743,

 3.2264, 4.8825,

388.7606, 334.6784

1.6423

401.7722,
456.2721, 397.8076

■ 1.2746, 2.1785,
0.3207

■ 0.1641, 0.7082,
0.0000

■ 75.7718, 90.9694,
66.9913

■ 75.7718, 90.9694,
66.9913

■ 68.6501, 87.6097,
52.5752

■ 83.8095, 94.7439,
84.0377

■ 62.4068, 84.6485,
40.6543

■ 92.7952, 98.9474,
103.8322

■ 57.0041, 82.0695,
31.0876

■ 95.0500, 100.0000,
108.9000

■ 52.4002, 79.8544,
23.7185

■ 48.5491, 77.9835,
18.3713

■ 45.3992, 76.4345,
14.8434

■ 42.8899, 75.1815,
12.8898

■ 41.3412, 74.3972,
12.1812

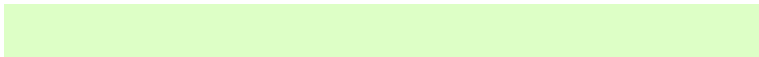
Harmonies

Analogous

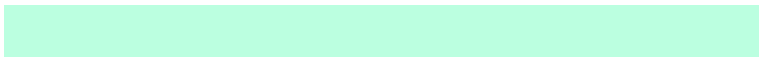
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1769, 90.9694, 58.7811



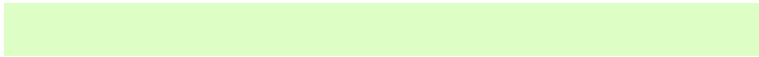
75.7718, 90.9694, 66.9913



71.4215, 90.9694, 84.3785

Triad

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



75.7718, 90.9694, 66.9913



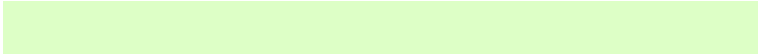
81.1763, 90.9694, 152.3408



104.1086, 90.9694, 89.8179

Complementary

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



75.7718, 90.9694, 66.9913



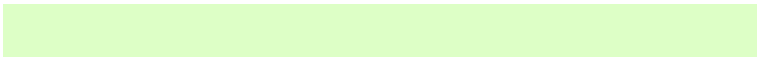
71.5237, 64.7652, 103.3390

Split Complementary

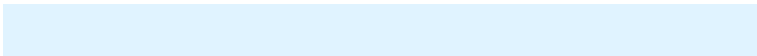
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.4822, 90.9694, 115.3311



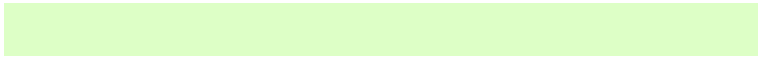
75.7718, 90.9694, 66.9913



89.8360, 90.9694, 154.4668

Square

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



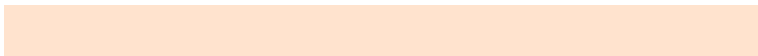
75.7718, 90.9694, 66.9913



74.3928, 90.9694, 134.5924



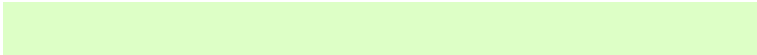
98.1168, 90.9694, 139.9861



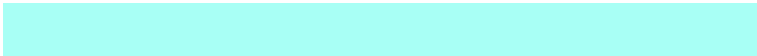
99.7744, 90.9694, 70.3905

Rectangle

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



75.7718, 90.9694, 66.9913



70.6486, 90.9694, 100.2070



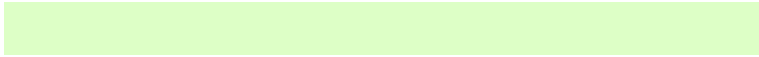
98.1168, 90.9694, 139.9861



104.4786, 90.9694, 97.9023

Sweetspot

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



75.7723, 90.9696, 66.9927



88.4986, 96.9394, 94.2825



80.0795, 82.6297, 65.1559



18.8262, 20.6947, 19.9245



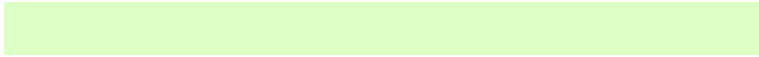
0.0000, 0.0000, 0.0000



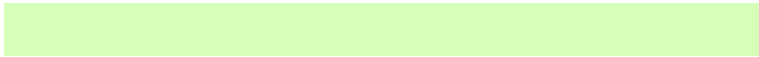
20.3446, 21.4041, 23.3091

Same Dimension

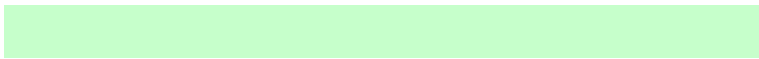
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7723, 90.9696, 66.9927



72.3503, 89.3573, 59.9724



69.7992, 87.8260, 69.6184



18.4654, 20.5258, 19.1330



21.7596, 38.9556, 6.3723



2.2383, 3.8546, 0.6261

Inverse Universe

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



71.5237, 64.7652, 103.3390



67.3882, 58.7676, 102.3993



78.7292, 68.5670, 99.7336



18.0422, 17.9135, 22.7567



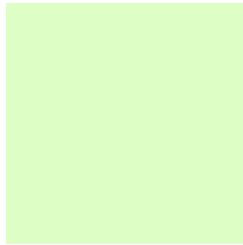
16.3815, 7.3554, 49.9909



1.7186, 0.7799, 4.8732

Previews

White Background



This preview shows how the XYZ color 75.7718, 90.9694, 66.9913 looks on a white background.

Color Contrast Check

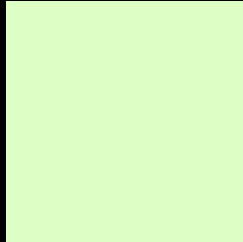
Large Text (above 18pt) WCAG AA × Fail

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 75.7718, 90.9694, 66.9913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

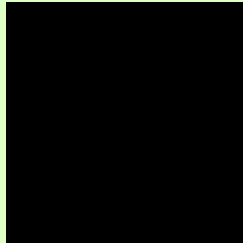
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

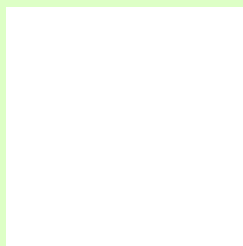
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7718, 90.9694, 66.9913

Background



This preview shows how black text looks on a background with the XYZ color 75.7718, 90.9694, 66.9913.

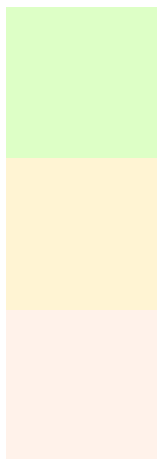


This preview shows how white text looks on a background with the XYZ color 75.7718, 90.9694,

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

75.7718, 90.9694, 66.9913

Protanopia

85.3486, 90.6645, 74.6297

Deuteranopia

87.8434, 90.7048, 90.7198



Tritanopia

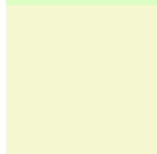
85.9623, 90.7020, 107.5843

Trichromacy



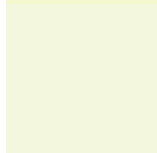
Original Color

75.7718, 90.9694, 66.9913



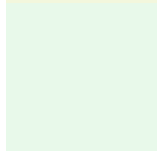
Protanomaly

81.6701, 90.6457, 71.5844



Deuteranomaly

83.2741, 90.7967, 81.5431



Tritanomaly

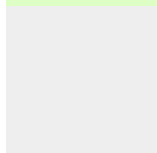
82.0057, 90.8477, 91.0551

Monochromacy



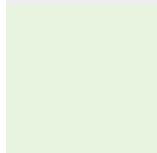
Original Color

75.7718, 90.9694, 66.9913



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.9487, 87.1849, 82.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7718, 90.9694, 66.9913 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(221, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 198)  
}
```

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(221, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 75.7718, 90.9694, 66.9913 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(221, 255, 198) }
```


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

```
.border{ border-color:rgb(221, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7718, 90.9694, 66.9913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 198) }
```

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

```
.background{ background-color: rgb(221,  
255, 198) }
```

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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