

Converting Colors

XYZ(87.6786, 116.1323,
72.3381)

Have a look what the booklet for
XYZ(87.6786, 116.1323, 72.3381)
contains.

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Color

**XYZ(74.8006, 90.4418,
68.1582)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFC8
RGB	217, 255, 200
RGB Percent	85%, 100%, 78%
CMY	0.1490, 0.0000, 0.2157
CMYK	0.15, 0.00, 0.22, 0.00
HSL	101°, 100%, 89%
HSV	101°, 22%, 100%
XYZ	74.8006, 90.4418, 68.1582
YIQ	237.3680, -4.9930, -25.1610

Conversions

Conversions Part 2

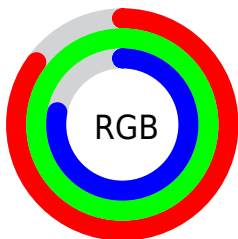
Format	Color
R_{YB}	200, 255, 238
Decimal	14286792
CIE _{Lab}	96.18, -21.91, 22.33
CIE _{LCh}	96, 31.278, 134.454
Yxy	90.4418, 0.3205, 0.3875
Android (android.graphics.Color)	4292476872 (0xFFD9FFC8)
YUV	237.3680, -18.4224, -17.8627
Hunter-Lab	95.1009, -26.0293, 24.0779

Details

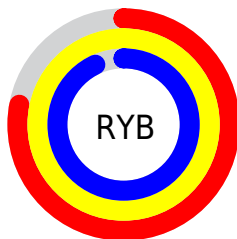
The XYZ color **74.8006, 90.4418, 68.1582** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9650, 66.7069, 103.5851**, and the grayscale version is **80.9197, 85.1338, 92.7107**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2827, 50.1449, 34.7499** is the 20% darker color. If you saturate the color by 10%, you get **67.1039, 86.7902, 53.5170**, and if you desaturate by 10%, it is **83.5547, 94.5812, 85.4461**.

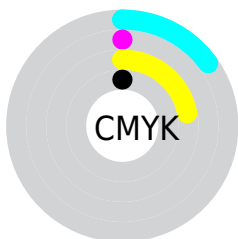
Distribution



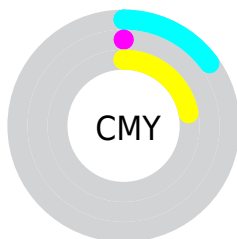
- Red (85%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.8006, 90.4418, 68.1582 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 74.8006, 90.4418, 68.1582 by changing the saturation by 10% instead.


 74.8006, 90.4418,
68.1582

 74.8006, 90.4418,
68.1582


466.2397,
529.4670, 472.6696

 55.7431, 68.3471,
49.5590


125.0195,
147.9519, 118.2348

 40.2332, 50.1802,
34.6944


156.9116,
184.1362, 150.5492

 27.9054, 35.5566,
23.1459

193.8127,
225.7857, 188.2724

 18.3945, 24.0919,
14.4949

236.0881,
273.2850, 231.8230

 11.3350, 15.4018,
8.3230

284.1031,
327.0183, 281.6195

 6.3616, 9.1019,
4.2116

338.2232,

 3.1089, 4.8077,

387.3702, 338.0804

1.7421

398.8136,
454.7249, 401.6242

■ 1.2116, 2.1349,
0.3894

■ 0.1155, 0.6841,
0.0000

■ 74.8006, 90.4418,
68.1582

■ 74.8006, 90.4418,
68.1582

■ 67.1039, 86.7902,
53.5170

■ 83.5547, 94.5812,
85.4461

■ 60.4208, 83.6064,
41.3878

■ 93.4040, 99.2251,
105.4981

■ 54.7067, 80.8707,
31.6304

■ 95.0500, 100.0000,
108.9000

■ 49.9128, 78.5614,
24.0890

■ 45.9857, 76.6545,
18.5892

■ 42.8654, 75.1237,
14.9306

■ 40.4827, 73.9384,
12.8720

■ 38.9692, 73.1744,
12.0702

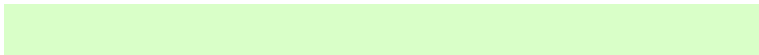
Harmonies

Analogous

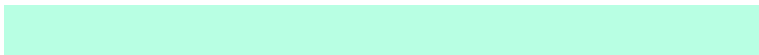
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8653, 90.4418, 59.0790



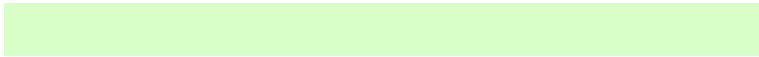
74.8006, 90.4418, 68.1582



70.8715, 90.4418, 86.2183

Triad

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



74.8006, 90.4418, 68.1582



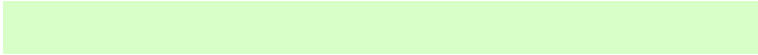
81.5684, 90.4418, 152.0469



103.1490, 90.4418, 87.0257

Complementary

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



74.8006, 90.4418, 68.1582



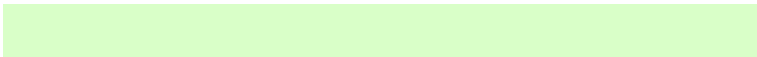
73.9650, 66.7069, 103.5851

Split Complementary

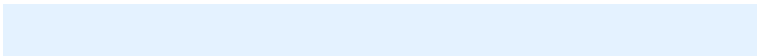
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.0561, 90.4418, 111.8431



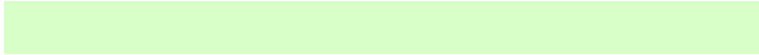
74.8006, 90.4418, 68.1582



90.1936, 90.4418, 152.3619

Square

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



74.8006, 90.4418, 68.1582



74.5959, 90.4418, 135.8671



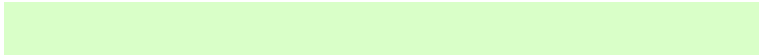
98.1824, 90.4418, 136.6666



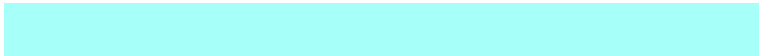
98.4282, 90.4418, 68.6632

Rectangle

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



74.8006, 90.4418, 68.1582



70.3803, 90.4418, 102.2327



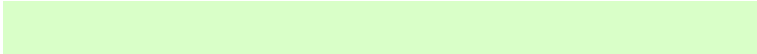
98.1824, 90.4418, 136.6666



103.6893, 90.4418, 94.8119

Sweetspot

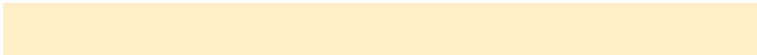
The Sweet Spot groups the original color and five complimentary colors.



74.8012, 90.4421, 68.1596



88.9009, 97.1034, 96.2619



82.1192, 86.3374, 66.9816



18.8904, 20.7190, 20.3228



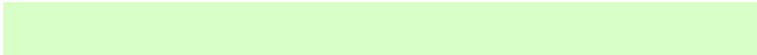
0.0000, 0.0000, 0.0000



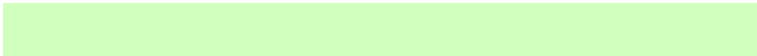
20.3446, 21.4041, 23.3091

Same Dimension

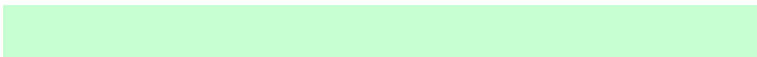
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8012, 90.4421, 68.1596



71.2617, 88.7645, 61.3509



71.2235, 88.4571, 74.3484



18.2996, 20.4404, 19.1252



20.4957, 38.3040, 6.3132



2.1018, 3.7843, 0.6197

Inverse Universe

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



73.9650, 66.7069, 103.5851



70.2818, 61.0647, 102.6902



78.3636, 69.1571, 95.5383



18.2143, 18.0022, 22.7647



18.9688, 8.6892, 50.1120



1.9590, 0.9038, 4.8845

Previews

White Background



This preview shows how the XYZ color 74.8006, 90.4418, 68.1582 looks on a white background.

Color Contrast Check

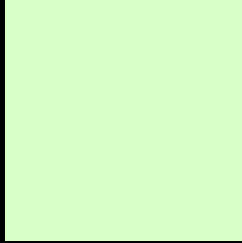
Large Text (above 18pt) WCAG AA × Fail

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 74.8006, 90.4418, 68.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

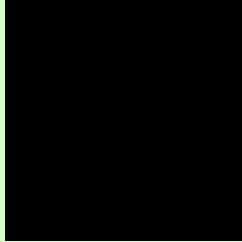
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

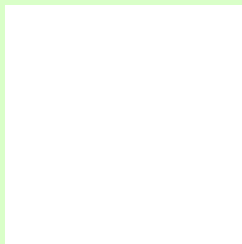
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8006, 90.4418, 68.1582

Background



This preview shows how black text looks on a background with the XYZ color 74.8006, 90.4418, 68.1582.



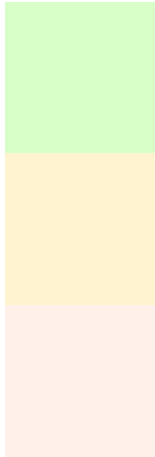
This preview shows how white text looks on a background with the XYZ color 74.8006, 90.4418,

68.1582.

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

74.8006, 90.4418, 68.1582

Protanopia

84.6758, 89.9153, 72.5670

Deuteranopia

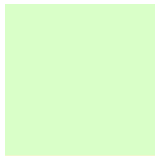
87.4033, 90.0538, 89.8663



Tritanopia

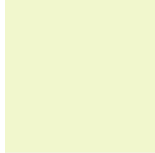
85.2945, 90.3577, 107.5530

Trichromacy



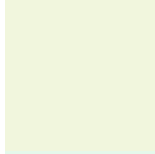
Original Color

74.8006, 90.4418, 68.1582



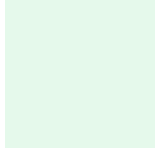
Protanomaly

80.5558, 89.6301, 70.8122



Deuteranomaly

82.2825, 89.8328, 81.4093



Tritanomaly

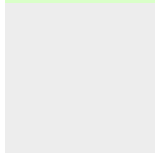
81.1842, 90.4075, 91.7688

Monochromacy



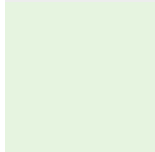
Original Color

74.8006, 90.4418, 68.1582



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.4384, 86.9062, 83.1614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8006, 90.4418, 68.1582 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(217, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 200)  
}
```

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(217, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 74.8006, 90.4418, 68.1582 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(217, 255, 200) }
```


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

```
.border{ border-color:rgb(217, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8006, 90.4418, 68.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 200) }
```

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

```
.background{ background-color: rgb(217,  
255, 200) }
```

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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