

Converting Colors

XYZ(84.5887, 113.4280,
68.6877)

Have a look what the booklet for
XYZ(84.5887, 113.4280, 68.6877)
contains.

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Color

**XYZ(72.6490, 89.4121,
64.4682)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D4FFC2 |
| RGB | 212, 255, 194 |
| RGB Percent | 83%, 100%, 76% |
| CMY | 0.1686, 0.0000, 0.2392 |
| CMYK | 0.17, 0.00, 0.24, 0.00 |
| HSL | 102°, 100%, 88% |
| HSV | 102°, 24%, 100% |
| XYZ | 72.6490, 89.4121, 64.4682 |
| YIQ | 235.1890, -6.0470, -28.0870 |

Conversions

Conversions Part 2

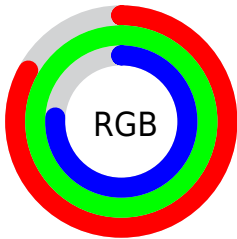
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 194, 255, 237 |
| Decimal | 13959106 |
| CIELab | 95.75, -24.53, 24.73 |
| CIELCh | 96, 34.838, 134.765 |
| Yxy | 89.4121, 0.3207, 0.3947 |
| Android (android.graphics.Color) | 4292149186 (0xFFD4FFC2) |
| YUV | 235.1890, -20.3062, -20.3368 |
| Hunter-Lab | 94.5580, -28.3347, 25.7676 |

Details

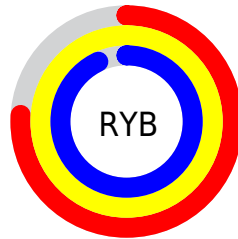
The XYZ color **72.6490, 89.4121, 64.4682** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.2678, 63.8093, 103.1152**, and the grayscale version is **79.2622, 83.3900, 90.8118**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **38.8323, 49.4497, 32.3090** is the 20% darker color. If you saturate the color by 10%, you get **65.1294, 85.8386, 50.4274**, and if you desaturate by 10%, it is **81.2381, 93.4801, 81.1268**.

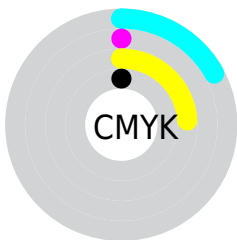
Distribution



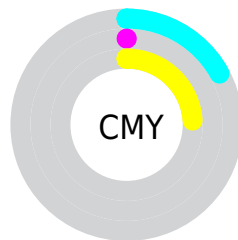
- Red (83%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6490, 89.4121, 64.4682 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 72.6490, 89.4121, 64.4682 by changing the saturation by 10% instead.


 72.6490, 89.4121,
64.4682

 72.6490, 89.4121,
64.4682


458.9200,
526.1166, 459.1322

 53.9764, 67.4931,
46.5814


121.9846,
146.5215, 112.8909

 38.8134, 49.4855,
32.3529


153.3783,
182.4807, 144.2638

 26.7946, 35.0048,
21.3641


189.7430,
223.8889, 180.9693

 17.5548, 23.6665,
13.1966

231.4442,
271.1303, 223.4257

 10.7286, 15.0864,
7.4317

278.8471,
324.5894, 272.0517

 5.9506, 8.8801,
3.6510

332.3172,

 2.8554, 4.6630,

384.6505, 327.2657

1.4359

392.2197,
451.6981, 389.4864

■ 1.0778, 2.0509,
0.1695

■ 0.0064, 0.6368,
0.0000

■ 72.6490, 89.4121,
64.4682

■ 72.6490, 89.4121,
64.4682

■ 65.1294, 85.8386,
50.4274

■ 81.2381, 93.4801,
81.1268

■ 58.6339, 82.7392,
38.8674

■ 90.9363, 98.0605,
100.5227

■ 53.1156, 80.0928,
29.6449

■ 95.0500, 100.0000,
108.9000

■ 48.5237, 77.8768,
22.6000

■ 44.8017, 76.0658,
17.5531

■ 41.8863, 74.6320,
14.2958

■ 39.7034, 73.5425,
12.5735

■ 38.6807, 73.0257,
12.0567

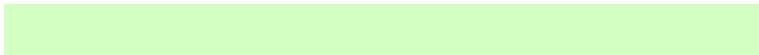
Harmonies

Analogous

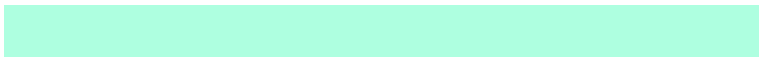
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3705, 89.4121, 54.6983



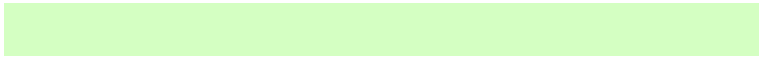
72.6490, 89.4121, 64.4682



68.4053, 89.4121, 84.1265

Triad

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



72.6490, 89.4121, 64.4682



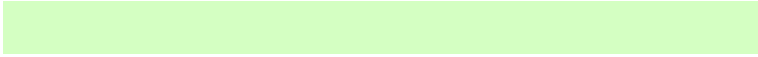
80.2296, 89.4121, 157.7118



104.0896, 89.4121, 84.5072

Complementary

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



72.6490, 89.4121, 64.4682



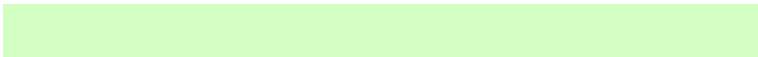
72.2678, 63.8093, 103.1152

Split Complementary

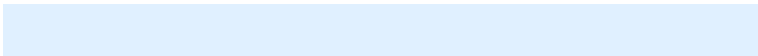
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.0447, 89.4121, 111.9014



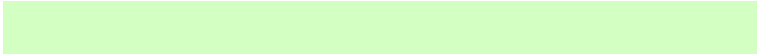
72.6490, 89.4121, 64.4682



89.7698, 89.4121, 157.8667

Square

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



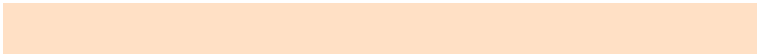
72.6490, 89.4121, 64.4682



72.5526, 89.4121, 139.4773



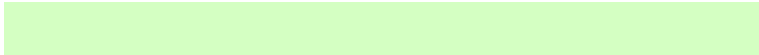
98.6406, 89.4121, 139.8674



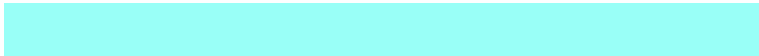
98.7590, 89.4121, 64.7015

Rectangle

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



72.6490, 89.4121, 64.4682



67.9009, 89.4121, 101.8072



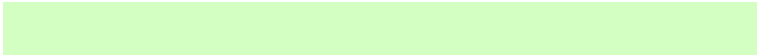
98.6406, 89.4121, 139.8674



104.7149, 89.4121, 93.0338

Sweetspot

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



72.6495, 89.4124, 64.4696



87.8293, 96.5943, 94.2512



81.1755, 85.5503, 63.2747



18.6714, 20.6149, 19.9172



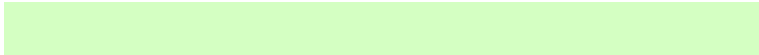
0.0000, 0.0000, 0.0000



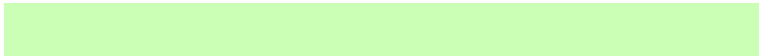
20.3446, 21.4041, 23.3091

Same Dimension

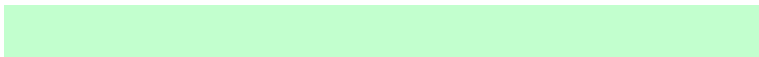
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6495, 89.4124, 64.4696



68.6990, 87.5366, 57.0184



69.1738, 87.4557, 71.7559



18.2752, 20.4278, 19.1241



20.3405, 38.2240, 6.3059



2.0842, 3.7752, 0.6188

Inverse Universe

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



72.2678, 63.8093, 103.1152



68.2469, 57.6419, 102.1367



76.6798, 66.3036, 93.3925



18.2400, 18.0155, 22.7659



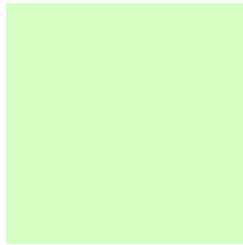
19.3938, 8.9084, 50.1319



1.9978, 0.9238, 4.8863

Previews

White Background



This preview shows how the XYZ color 72.6490, 89.4121, 64.4682 looks on a white background.

Color Contrast Check

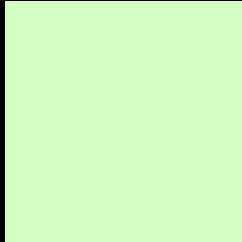
Large Text (above 18pt) WCAG AA × Fail

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 72.6490, 89.4121, 64.4682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

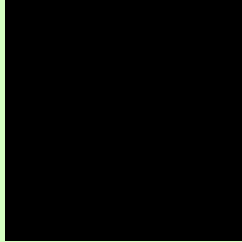
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

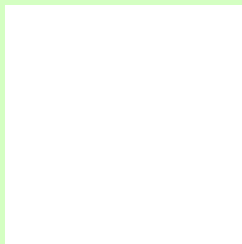
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6490, 89.4121, 64.4682

Background



This preview shows how black text looks on a background with the XYZ color 72.6490, 89.4121, 64.4682.



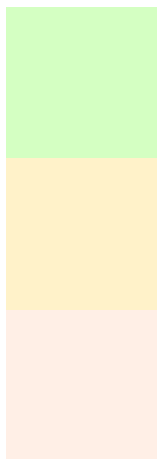
This preview shows how white text looks on a background with the XYZ color 72.6490, 89.4121,

64.4682.

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

72.6490, 89.4121, 64.4682

Protanopia

83.5347, 88.9813, 68.0307

Deuteranopia

86.3894, 88.7062, 87.4317



Tritanopia

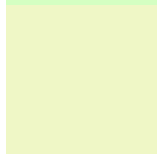
83.6794, 89.0772, 107.3910

Trichromacy



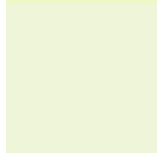
Original Color

72.6490, 89.4121, 64.4682



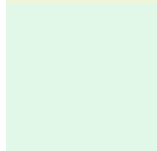
Protanomaly

79.0504, 88.9495, 66.4286



Deuteranomaly

80.7734, 88.6653, 78.5025



Tritanomaly

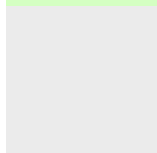
79.3267, 89.0255, 90.0935

Monochromacy



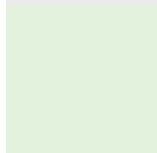
Original Color

72.6490, 89.4121, 64.4682



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3490, 85.0025, 80.0932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6490, 89.4121, 64.4682 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(212, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 194)  
}
```

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(212, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 194) }
```

Border

The CSS property to change the border of an element to XYZ 72.6490, 89.4121, 64.4682 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(212, 255, 194) }
```


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

```
.border{ border-color:rgb(212, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6490, 89.4121, 64.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 194) }
```

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

```
.background{ background-color: rgb(212,  
255, 194) }
```

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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