

Converting Colors

XYZ(72.4265, 83.9577, 66.0806)

Have a look what the booklet for
XYZ(72.4265, 83.9577, 66.0806)
contains.

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Color

**XYZ(72.6679, 84.3082,
65.8692)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF4C6
RGB	222, 244, 198
RGB Percent	87%, 96%, 78%
CMY	0.1294, 0.0431, 0.2235
CMYK	0.09, 0.00, 0.19, 0.04
HSL	89°, 68%, 87%
HSV	89°, 19%, 96%
XYZ	72.6679, 84.3082, 65.8692
YIQ	232.1780, 1.6540, -18.9700

Conversions

Conversions Part 2

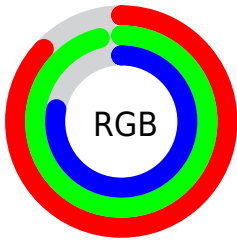
Format	Color
R_{YB}	198, 244, 220
Decimal	14611654
CIE _{Lab}	93.58, -15.15, 19.79
CIE _{LCh}	94, 24.921, 127.432
Yxy	84.3082, 0.3261, 0.3783
Android (android.graphics.Color)	4292801734 (0xFFDEF4C6)
YUV	232.1780, -16.8498, -8.9261
Hunter-Lab	91.8195, -19.4154, 21.7404

Details

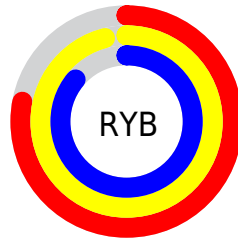
The XYZ color **72.6679, 84.3082, 65.8692** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.0419, 62.1379, 94.1056**, and the grayscale version is **76.9583, 80.9662, 88.1722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9536, 46.1955, 33.2491** is the 20% darker color. If you saturate the color by 10%, you get **66.6258, 81.4953, 52.0596**, and if you desaturate by 10%, it is **79.4155, 87.4374, 82.0820**.

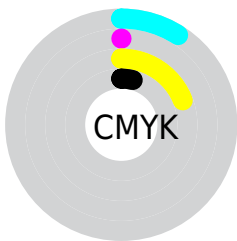
Distribution



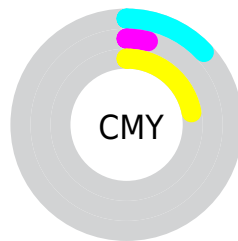
- Red (87%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (86%)



- Cyan (9%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6679, 84.3082, 65.8692 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 72.6679, 84.3082, 65.8692 by changing the saturation by 10% instead.

72.6679, 84.3082,
65.8692

72.6679, 84.3082,
65.8692

458.9846,
509.3361, 464.3004

53.9919, 63.2699,
47.7104

122.0113,
139.4062, 114.9238

38.8258, 46.0596,
33.2393

153.4094,
174.2348, 146.6567

26.8044, 32.2929,
22.0372

189.7789,
214.4288, 183.7514

17.5622, 21.5853,
13.6856

231.4851,
260.3728, 226.6264

10.7339, 13.5525,
7.7661

278.8934,
312.4512, 275.7002

5.9542, 7.8101,
3.8600

332.3692,

2.8576, 3.9737,

371.0482, 331.3915

1.5489

392.2778,
436.5484, 394.1187

■ 1.0789, 1.6588,
0.2539

■ 0.0074, 0.3968,
0.0000

■ 72.6679, 84.3082,
65.8692

■ 72.6679, 84.3082,
65.8692

■ 66.6258, 81.4953,
52.0596

■ 79.4155, 87.4374,
82.0820

■ 61.2557, 78.9765,
40.5334

■ 86.8868, 90.8825,
100.7992

■ 56.5315, 76.7434,
31.1687

■ 91.6424, 93.1848,
107.7641

■ 52.4220, 74.7831,
23.8299

■ 48.8932, 73.0812,
18.3665

■ 45.9068, 71.6218,
14.6065

■ 43.4184, 70.3864,
12.3465

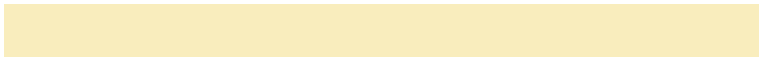
■ 41.3647, 69.3490,
11.2859

■ 41.1481, 69.2392,
11.1958

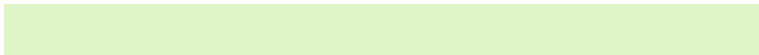
Harmonies

Analogous

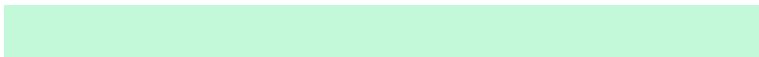
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5030, 84.3082, 60.2843



72.6679, 84.3082, 65.8692



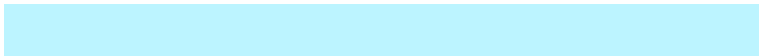
68.9818, 84.3082, 78.5509

Triad

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



72.6679, 84.3082, 65.8692



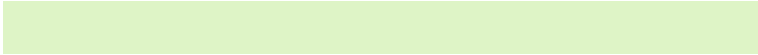
75.3628, 84.3082, 129.5907



93.3784, 84.3082, 87.1785

Complementary

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



72.6679, 84.3082, 65.8692



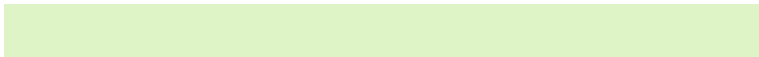
66.0419, 62.1379, 94.1056

Split Complementary

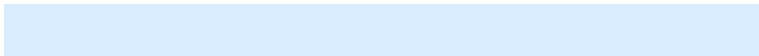
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4242, 84.3082, 106.4550



72.6679, 84.3082, 65.8692



81.7842, 84.3082, 132.7319

Square

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



72.6679, 84.3082, 65.8692



70.4771, 84.3082, 115.6929



88.0914, 84.3082, 123.7674



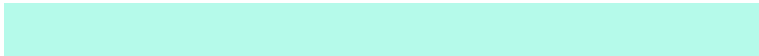
90.6316, 84.3082, 71.4418

Rectangle

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



72.6679, 84.3082, 65.8692



68.1181, 84.3082, 90.1795



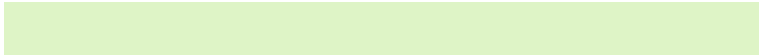
88.0914, 84.3082, 123.7674



93.4824, 84.3082, 93.4343

Sweetspot

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



72.6701, 84.3119, 65.8710



90.0422, 97.6917, 96.3153



72.9579, 74.2203, 63.9080



19.1599, 20.8579, 20.3354



0.0000, 0.0000, 0.0000



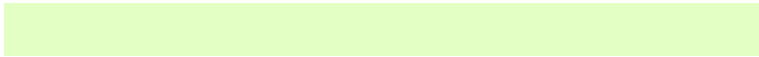
20.3446, 21.4041, 23.3091

Same Dimension

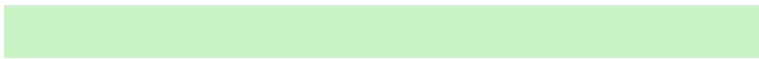
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6701, 84.3119, 65.8710



77.4252, 91.8436, 66.0805



66.2412, 80.9976, 65.5702



17.1071, 18.8973, 17.5435



22.5319, 37.7284, 6.0948



2.0990, 3.3771, 0.5412

Inverse Universe

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



66.0419, 62.1379, 94.1056



68.7348, 62.7699, 103.1008



73.3048, 65.8820, 94.4455



16.3353, 16.3155, 20.8308



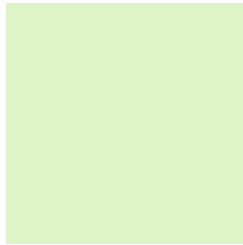
13.0027, 5.6774, 46.9486



1.2607, 0.5598, 4.1318

Previews

White Background



This preview shows how the XYZ color 72.6679, 84.3082, 65.8692 looks on a white background.

Color Contrast Check

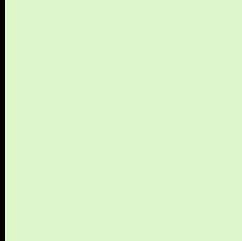
Large Text (above 18pt) WCAG AA × Fail

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 72.6679, 84.3082, 65.8692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

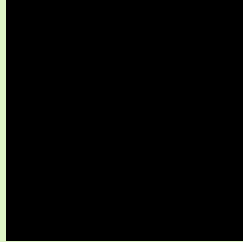
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

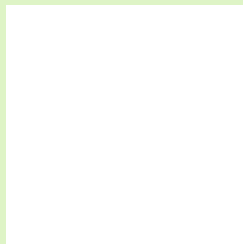
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6679, 84.3082, 65.8692

Background



This preview shows how black text looks on a background with the XYZ color 72.6679, 84.3082, 65.8692.



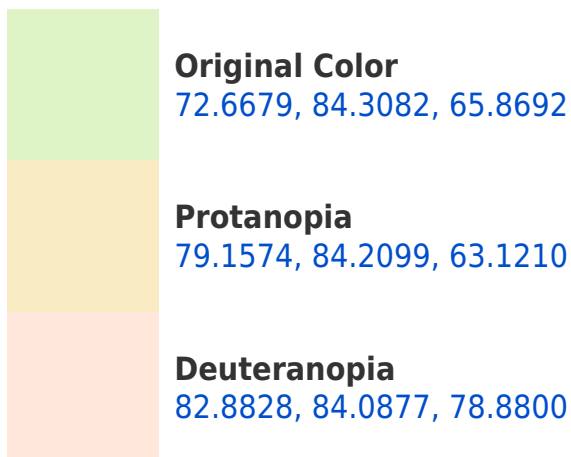
This preview shows how white text looks on a background with the XYZ color 72.6679, 84.3082, 65.8692.

65.8692.

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

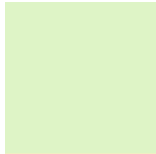




Tritanopia

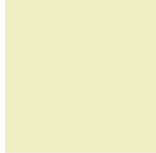
80.6786, 84.0339, 106.5757

Trichromacy



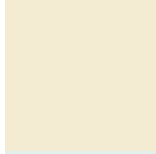
Original Color

72.6679, 84.3082, 65.8692



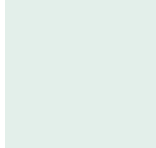
Protanomaly

76.6520, 84.1984, 63.8417



Deuteranomaly

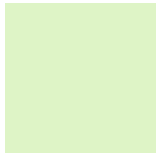
78.7155, 83.7487, 73.6444



Tritanomaly

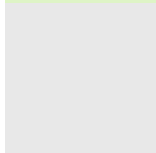
77.3963, 84.0044, 89.9772

Monochromacy



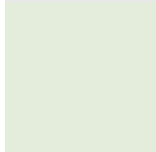
Original Color

72.6679, 84.3082, 65.8692



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.9086, 81.6522, 79.5225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6679, 84.3082, 65.8692 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(222, 244, 198)` looks like.

```
.text, #text, p{  
    color:rgb(222, 244, 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(222, 244, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 244, 198) }
```

Border

The CSS property to change the border of an element to XYZ 72.6679, 84.3082, 65.8692 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(222, 244, 198) }
```


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

```
.border{ border-color:rgb(222, 244, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 244, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 244, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 244, 198);  
box-shadow:4px 4px 4px 4px rgb(222, 244,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6679, 84.3082, 65.8692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 244, 198) }
```

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

```
.background{ background-color: rgb(222,  
244, 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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