

Converting Colors

XYZ(72.3117, 83.9814, 65.0677)

Have a look what the booklet for
XYZ(72.3117, 83.9814, 65.0677)
contains.

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Color

**XYZ(72.5529, 84.2622,
65.2636)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF4C5
RGB	222, 244, 197
RGB Percent	87%, 96%, 77%
CMY	0.1294, 0.0431, 0.2274
CMYK	0.09, 0.00, 0.19, 0.04
HSL	88°, 68%, 86%
HSV	88°, 19%, 96%
XYZ	72.5529, 84.2622, 65.2636
YIQ	232.0640, 1.9750, -19.2810

Conversions

Conversions Part 2

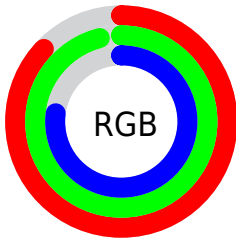
Format	Color
RYB	197, 244, 219
Decimal	14611653
CIELab	93.56, -15.30, 20.27
CIELCh	94, 25.401, 127.045
Yxy	84.2622, 0.3267, 0.3794
Android (android.graphics.Color)	4292801733 (0xFFDEF4C5)
YUV	232.0640, -17.2866, -8.8261
Hunter-Lab	91.7944, -19.5567, 22.1024

Details

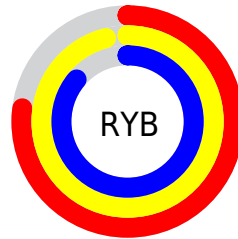
The XYZ color **72.5529, 84.2622, 65.2636** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.5123, 61.5266, 94.0155**, and the grayscale version is **76.8759, 80.8794, 88.0777**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **38.8775, 46.1651, 32.8483** is the 20% darker color. If you saturate the color by 10%, you get **66.5998, 81.4931, 51.5528**, and if you desaturate by 10%, it is **79.2002, 87.3419, 81.3726**.

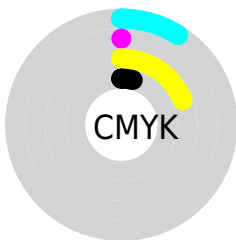
Distribution



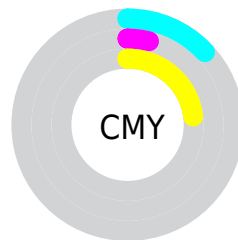
- Red (87%)
- Green (96%)
- Blue (77%)



- Red (77%)
- Yellow (96%)
- Blue (86%)



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





- Cyan (13%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5529, 84.2622, 65.2636 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 72.5529, 84.2622, 65.2636 by changing the saturation by 10% instead.


 72.5529, 84.2622,
65.2636

 72.5529, 84.2622,
65.2636


458.5916,
509.1835, 462.0707

 53.8975, 63.2319,
47.2222


121.8488,
139.3419, 114.0457

 38.7501, 46.0289,
32.8557


153.2201,
174.1601, 145.6233

 26.7452, 32.2686,
21.7457


189.5608,
214.3431, 182.5502

 17.5176, 21.5667,
13.4737

231.2361,
260.2753, 225.2447

 10.7018, 13.5389,
7.6210

278.6115,
312.3410, 274.1255

 5.9325, 7.8007,
3.7691

332.0523,

 2.8443, 3.9677,

370.9247, 329.6111

1.4995

391.9239,
436.4107, 392.1200

■ 1.0720, 1.6555,
0.2176

■ 0.0015, 0.3946,
0.0000

■ 72.5529, 84.2622,
65.2636

■ 72.5529, 84.2622,
65.2636

■ 66.5998, 81.4931,
51.5528

■ 79.2002, 87.3419,
81.3726

■ 61.3078, 79.0126,
40.1201

■ 86.5597, 90.7316,
99.9812

■ 56.6507, 76.8123,
30.8431

■ 91.6424, 93.1848,
107.7641

■ 52.5979, 74.8794,
23.5858

■ 49.1154, 73.1998,
18.1968

■ 46.1653, 71.7576,
14.5032

■ 43.7030, 70.5345,
12.3001

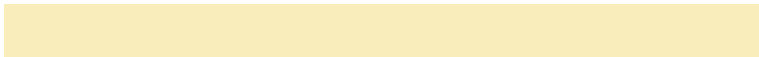
■ 41.6628, 69.5034,
11.2713

■ 41.5236, 69.4328,
11.2133

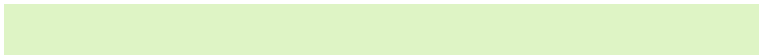
Harmonies

Analogous

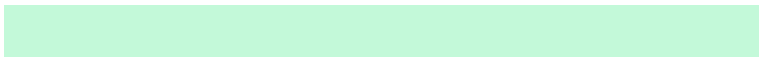
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5142, 84.2622, 59.6997



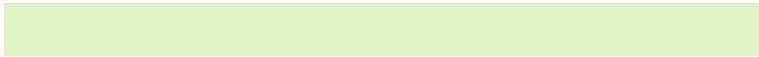
72.5529, 84.2622, 65.2636



68.7686, 84.2622, 78.0563

Triad

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



72.5529, 84.2622, 65.2636



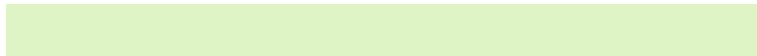
75.1535, 84.2622, 130.2208



93.6110, 84.2622, 87.2826

Complementary

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



72.5529, 84.2622, 65.2636



65.5123, 61.5266, 94.0155

Split Complementary

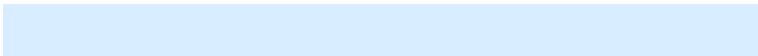
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5875, 84.2622, 106.9521



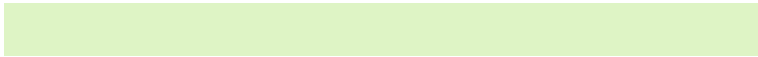
72.5529, 84.2622, 65.2636



81.6841, 84.2622, 133.5984

Square

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



72.5529, 84.2622, 65.2636



70.2104, 84.2622, 115.8988



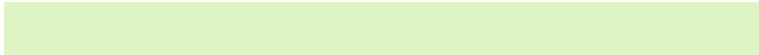
88.1290, 84.2622, 124.5718



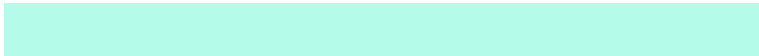
90.8526, 84.2622, 71.2080

Rectangle

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



72.5529, 84.2622, 65.2636



67.8636, 84.2622, 89.8522



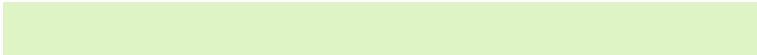
88.1290, 84.2622, 124.5718



93.7002, 84.2622, 93.6686

Sweetspot

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



72.5551, 84.2659, 65.2654



90.0973, 97.7202, 96.3179



72.7036, 73.8957, 63.2559



19.1729, 20.8647, 20.3360



0.0000, 0.0000, 0.0000



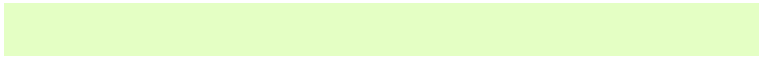
20.3446, 21.4041, 23.3091

Same Dimension

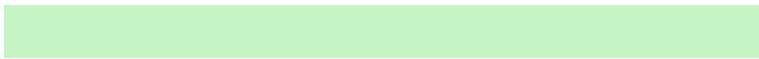
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5551, 84.2659, 65.2654



77.6137, 91.9408, 66.0893



65.8696, 80.8194, 64.9525



17.1238, 18.9059, 17.5442



22.7364, 37.8339, 6.1043



2.1169, 3.3864, 0.5421

Inverse Universe

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



65.5123, 61.5266, 94.0155



68.5497, 62.6745, 103.0922



73.0655, 65.4205, 94.3690



16.3188, 16.3070, 20.8300



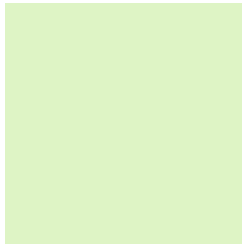
12.8231, 5.5849, 46.9402



1.2445, 0.5514, 4.1311

Previews

White Background



This preview shows how the XYZ color 72.5529, 84.2622, 65.2636 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 72.5529, 84.2622, 65.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

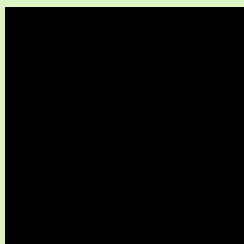
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

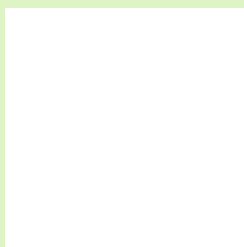
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5529, 84.2622, 65.2636

Background



This preview shows how black text looks on a background with the XYZ color 72.5529, 84.2622, 65.2636.



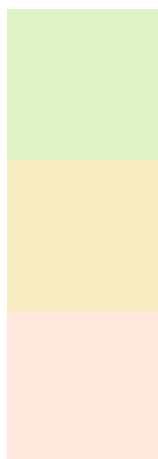
This preview shows how white text looks on a background with the XYZ color 72.5529, 84.2622, 65.2636.

65.2636.

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

72.5529, 84.2622, 65.2636

Protanopia

79.0454, 84.1652, 62.5314

Deuteranopia

82.8828, 84.0877, 78.8800



Tritanopia

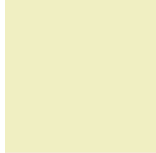
81.0004, 84.1998, 106.5908

Trichromacy



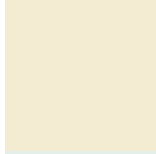
Original Color

72.5529, 84.2622, 65.2636



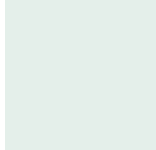
Protanomaly

76.5393, 84.1533, 63.2481



Deuteranomaly

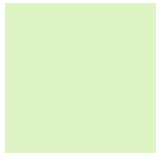
78.7155, 83.7487, 73.6444



Tritanomaly

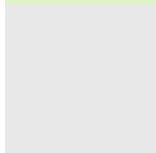
77.7127, 84.1675, 89.9920

Monochromacy



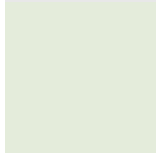
Original Color

72.5529, 84.2622, 65.2636



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.7765, 81.5994, 78.8269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5529, 84.2622, 65.2636 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(222, 244, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 244, 197) }
```

Border

The CSS property to change the border of an element to XYZ 72.5529, 84.2622, 65.2636 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, 197) }
```


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

```
.border{ border-color:rgb(222, 244, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 244, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 244, 197);  
box-shadow:4px 4px 4px 4px rgb(222, 244,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5529, 84.2622, 65.2636 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, 197) }
```

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

```
.background{ background-color: rgb(222,  
244, 197) }
```

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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