

Converting Colors

XYZ(72.0931, 86.9002, 67.3236)

Have a look what the booklet for
XYZ(72.0931, 86.9002, 67.3236)
contains.

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Color

**XYZ(72.0515, 86.6875,
67.5784)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FAC8
RGB	213, 250, 200
RGB Percent	84%, 98%, 78%
CMY	0.1647, 0.0196, 0.2157
CMYK	0.15, 0.00, 0.20, 0.02
HSL	104°, 83%, 88%
HSV	104°, 20%, 98%
XYZ	72.0515, 86.6875, 67.5784
YIQ	233.2370, -6.0020, -23.3940

Conversions

Conversions Part 2

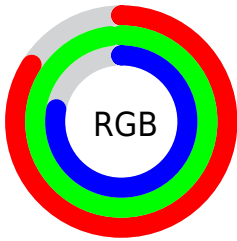
Format	Color
RYB	200, 250, 237
Decimal	14023368
CIELab	94.61, -20.85, 20.10
CIELCh	95, 28.957, 136.045
Yxy	86.6875, 0.3184, 0.3830
Android (android.graphics.Color)	4292213448 (0xFFD5FAC8)
YUV	233.2370, -16.3858, -17.7478
Hunter-Lab	93.1061, -24.8009, 22.1403

Details

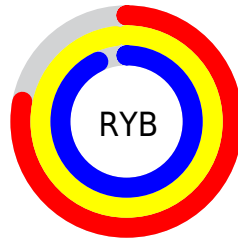
The XYZ color **72.0515, 86.6875, 67.5784** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8382, 66.2177, 99.3894**, and the grayscale version is **77.7554, 81.8047, 89.0854**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3588, 47.4844, 34.3378** is the 20% darker color. If you saturate the color by 10%, you get **64.3020, 83.0055, 53.1908**, and if you desaturate by 10%, it is **80.8957, 90.8837, 84.5147**.

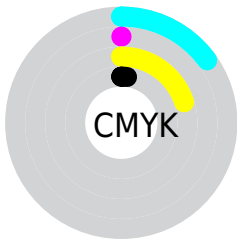
Distribution



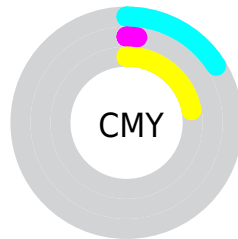
- Red (84%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)



- Cyan (16%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0515, 86.6875, 67.5784 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 72.0515, 86.6875, 67.5784 by changing the saturation by 10% instead.

72.0515, 86.6875,
67.5784

72.0515, 86.6875,
67.5784

456.8757,
517.1954, 470.5583

53.4864, 65.2366,
49.0903

121.1402,
142.7285, 117.3973

38.4202, 47.6530,
34.3250

152.3944,
178.0874, 149.5652

26.4877, 33.5522,
22.8640

188.6090,
218.8511, 187.1300

17.3234, 22.5498,
14.2888

230.1494,
265.4040, 230.5105

10.5621, 14.2614,
8.1807

277.3809,
318.1305, 280.1249

5.8383, 8.3027,
4.1214

330.6689,

2.7867, 4.2893,

377.4150, 336.3920

1.6922

390.3787,
443.6418, 399.7303

■ 1.0420, 1.8366,
0.3554

■ 0.0000, 0.5099,
0.0000

■ 72.0515, 86.6875,
67.5784

■ 72.0515, 86.6875,
67.5784

■ 64.3020, 83.0055,
53.1908

■ 80.8957, 90.8837,
84.5147

■ 57.5966, 79.8067,
41.2231

■ 90.8689, 95.6017,
104.1088

■ 51.8908, 77.0736,
31.5439

■ 93.4774, 96.8547,
108.3758

■ 47.1343, 74.7834,
24.0069

■ 43.2718, 72.9112,
18.4491

■ 40.2417, 71.4293,
14.6838

■ 37.9736, 70.3063,
12.4887

■ 36.3668, 69.4982,
11.4978

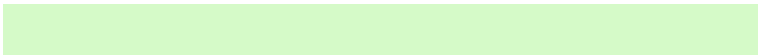
Harmonies

Analogous

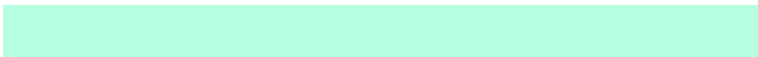
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3135, 86.6875, 58.8021



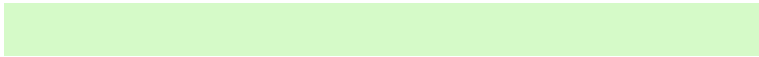
72.0515, 86.6875, 67.5784



68.6654, 86.6875, 84.3936

Triad

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



72.0515, 86.6875, 67.5784



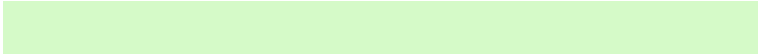
78.8259, 86.6875, 142.5682



97.6813, 86.6875, 82.9955

Complementary

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



72.0515, 86.6875, 67.5784



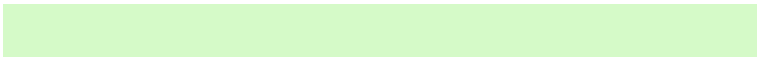
72.8382, 66.2177, 99.3894

Split Complementary

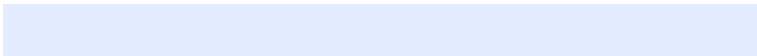
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8401, 86.6875, 105.1417



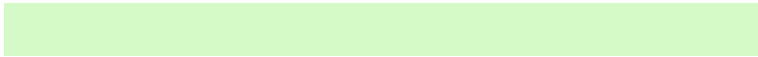
72.0515, 86.6875, 67.5784



86.6136, 86.6875, 142.0346

Square

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



72.0515, 86.6875, 67.5784



72.4062, 86.6875, 128.8484



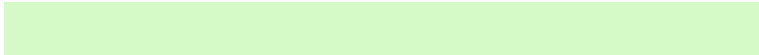
93.6814, 86.6875, 127.4885



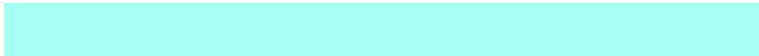
93.2602, 86.6875, 66.6948

Rectangle

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



72.0515, 86.6875, 67.5784



68.3474, 86.6875, 98.9888



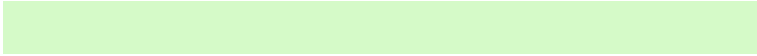
93.6814, 86.6875, 127.4885



98.2440, 86.6875, 89.9319

Sweetspot

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



72.0538, 86.6912, 67.5803



88.6400, 96.9689, 96.2496



80.0410, 84.8735, 66.8085



18.8289, 20.6873, 20.3199



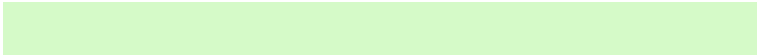
0.0000, 0.0000, 0.0000



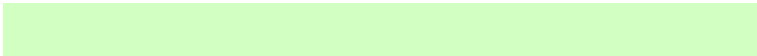
20.3446, 21.4041, 23.3091

Same Dimension

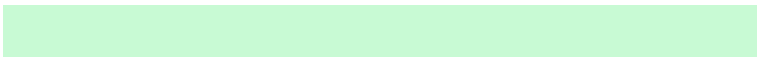
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0538, 86.6912, 67.5803



71.9709, 89.0651, 64.3193



69.8493, 85.3912, 74.8697



17.4404, 19.5273, 18.3123



19.4024, 36.9206, 6.1038



1.8916, 3.4682, 0.5697

Inverse Universe

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



72.8382, 66.2177, 99.3894



72.9244, 64.0811, 103.1331



75.5635, 67.8275, 90.2590



17.5269, 17.2842, 21.7977



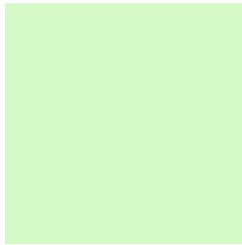
19.9083, 9.2058, 48.7012



1.9427, 0.9036, 4.5152

Previews

White Background



This preview shows how the XYZ color 72.0515, 86.6875, 67.5784 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 72.0515, 86.6875, 67.5784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

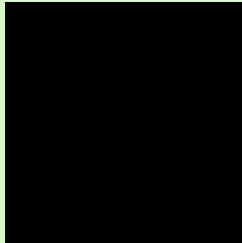
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

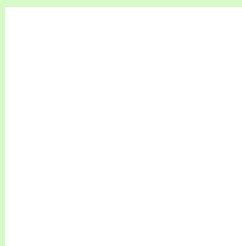
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0515, 86.6875, 67.5784

Background



This preview shows how black text looks on a background with the XYZ color 72.0515, 86.6875, 67.5784.



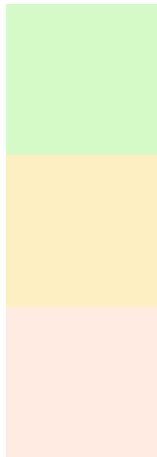
This preview shows how white text looks on a background with the XYZ color 72.0515, 86.6875,

67.5784.

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

72.0515, 86.6875, 67.5784

Protanopia

81.1121, 86.5107, 63.4621

Deuteranopia

84.5389, 86.1129, 83.3999



Tritanopia

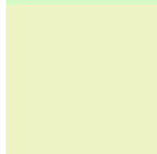
81.1839, 86.4615, 107.0176

Trichromacy



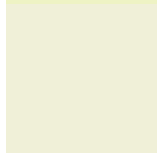
Original Color

72.0515, 86.6875, 67.5784



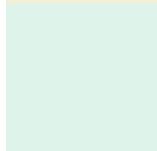
Protanomaly

77.2743, 86.2638, 64.8024



Deuteranomaly

79.4899, 85.8033, 77.3379



Tritanomaly

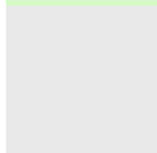
77.4703, 86.2291, 91.1580

Monochromacy



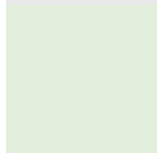
Original Color

72.0515, 86.6875, 67.5784



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.2817, 83.1222, 80.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0515, 86.6875, 67.5784 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(213, 250, 200)` looks like.

```
.text, #text, p{  
    color:rgb(213, 250, 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(213, 250, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 250, 200) }
```

Border

The CSS property to change the border of an element to XYZ 72.0515, 86.6875, 67.5784 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(213, 250, 200) }
```


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

```
.border{ border-color:rgb(213, 250, 200) }
```

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

Here you see how a box with a 4 pixel rgb(213, 250, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 250, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 250, 200);  
box-shadow:4px 4px 4px 4px rgb(213, 250,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0515, 86.6875, 67.5784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 250, 200) }
```

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

```
.background{ background-color: rgb(213,  
250, 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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