

Converting Colors

XYZ(72.4118, 86.3458, 52.7193)

Have a look what the booklet for
XYZ(72.4118, 86.3458, 52.7193)
contains.

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Color

**XYZ(72.2587, 86.1983,
52.8739)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F8AE
RGB	225, 248, 174
RGB Percent	88%, 97%, 68%
CMY	0.1176, 0.0274, 0.3176
CMYK	0.09, 0.00, 0.30, 0.03
HSL	79°, 84%, 83%
HSV	79°, 30%, 97%
XYZ	72.2587, 86.1983, 52.8739
YIQ	232.6870, 10.0460, -27.8900

Conversions

Conversions Part 2

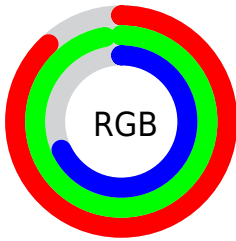
Format	Color
RYB	174, 248, 197
Decimal	14809262
CIELab	94.40, -19.51, 33.14
CIElCh	94, 38.455, 120.488
Yxy	86.1983, 0.3419, 0.4079
Android (android.graphics.Color)	4292999342 (0xFFE1F8AE)
YUV	232.6870, -28.9327, -6.7415
Hunter-Lab	92.8430, -23.5508, 31.2246

Details

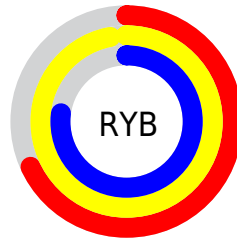
The XYZ color **72.2587, 86.1983, 52.8739** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.1087, 48.9221, 95.3500**, and the grayscale version is **77.4240, 81.4560, 88.7056**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **38.6630, 47.5148, 25.2227** is the 20% darker color. If you saturate the color by 10%, you get **67.7119, 84.1111, 41.1846**, and if you desaturate by 10%, it is **77.3649, 88.5277, 66.9230**.

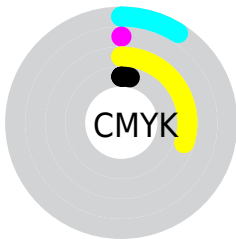
Distribution



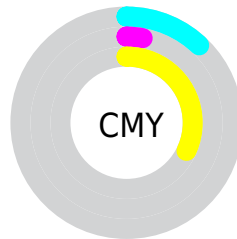
- Red (88%)
- Green (97%)
- Blue (68%)



- Red (68%)
- Yellow (97%)
- Blue (77%)



- Cyan (9%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)



- Cyan (12%)
- Magenta (3%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2587, 86.1983, 52.8739 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 72.2587, 86.1983, 52.8739 by changing the saturation by 10% instead.


 72.2587, 86.1983,
52.8739

 72.2587, 86.1983,
52.8739


457.5852,
515.5849, 414.8537

 53.6562, 64.8320,
37.3151


 121.4331,
142.0462, 95.8585

 38.5565, 47.3248,
25.1538


152.7357,
177.2965, 124.1213

 26.5940, 33.2925,
15.9716

189.0025,
217.9436, 157.4558

 17.4036, 22.3506,
9.3500

230.5987,
264.3719, 196.2807

 10.6197, 14.1148,
4.8702

277.8897,
316.9658, 241.0143

 5.8771, 8.2005,
2.1139


331.2409,


 2.8105, 4.2235,


376.1097, 292.0754


0.6240


391.0176,
442.1879, 349.8823


 1.0543, 1.7994,
0.0000


 0.0000, 0.4868,
0.0000


 72.2587, 86.1983,
52.8739


 72.2587, 86.1983,
52.8739


 67.7119, 84.1111,
41.1846


 77.3649, 88.5277,
66.9230


 63.6919, 82.2440,
31.7199

 83.0479, 91.0976,
83.4459

 60.1725, 80.5894,
24.3394

 89.3326, 93.9210,
102.5563

 57.1220, 79.1344,
18.8846

 92.8592, 95.6184,
108.1697

■ 54.5046, 77.8645,
15.1742

■ 52.2777, 76.7624,
12.9923

■ 50.3730, 75.8008,
11.9875

■ 50.3439, 75.7861,
11.9748

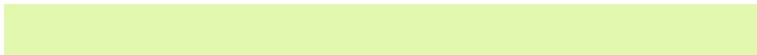
Harmonies

Analogous

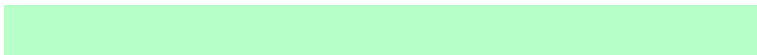
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7597, 86.1983, 47.6895



72.2587, 86.1983, 52.8739



65.8302, 86.1983, 68.5295

Triad

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



72.2587, 86.1983, 52.8739



72.5287, 86.1983, 152.5751



103.4395, 86.1983, 93.3712

Complementary

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



72.2587, 86.1983, 52.8739



55.1087, 48.9221, 95.3500

Split Complementary

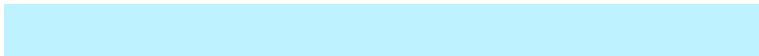
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.4590, 86.1983, 124.7587



72.2587, 86.1983, 52.8739



82.0983, 86.1983, 163.0054

Square

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



72.2587, 86.1983, 52.8739



65.9767, 86.1983, 125.7768



92.4255, 86.1983, 151.9056



100.2651, 86.1983, 67.8508

Rectangle

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



72.2587, 86.1983, 52.8739



63.8589, 86.1983, 84.7653



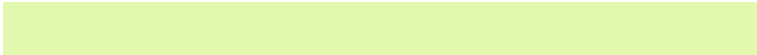
92.4255, 86.1983, 151.9056



103.1217, 86.1983, 103.5729

Sweetspot

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



72.2609, 86.2021, 52.8757



88.9963, 97.2809, 90.4677



66.1395, 62.5853, 48.6399



18.8500, 20.7325, 18.7716



0.0000, 0.0000, 0.0000



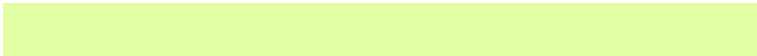
20.3446, 21.4041, 23.3091

Same Dimension

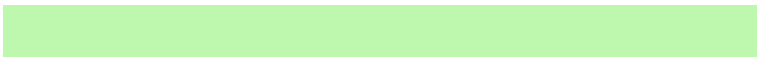
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2609, 86.2021, 52.8757



73.8980, 90.4151, 48.3014



62.1469, 80.9881, 52.4024



18.1717, 19.9043, 18.3466



27.3450, 41.0152, 6.4755



2.6415, 3.8548, 0.6048

Inverse Universe

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



55.1087, 48.9221, 95.3500



52.8546, 44.6577, 100.4418



65.7520, 54.4089, 95.8481



16.7906, 16.9047, 21.7633



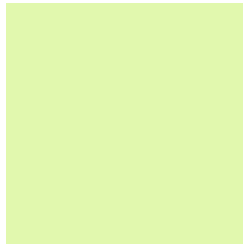
10.9364, 4.5806, 48.2813



1.1168, 0.4778, 4.4765

Previews

White Background



This preview shows how the XYZ color 72.2587, 86.1983, 52.8739 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 72.2587, 86.1983, 52.8739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

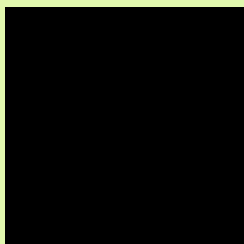
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

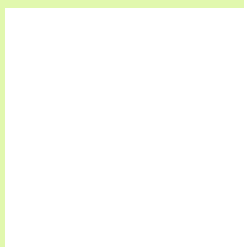
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2587, 86.1983, 52.8739

Background



This preview shows how black text looks on a background with the XYZ color 72.2587, 86.1983, 52.8739.



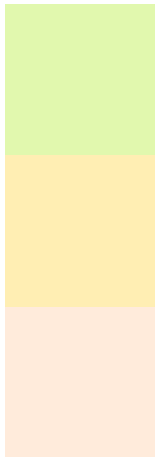
This preview shows how white text looks on a background with the XYZ color 72.2587, 86.1983,

52.8739.

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

72.2587, 86.1983, 52.8739

Protanopia

79.9512, 85.6637, 54.9687

Deuteranopia

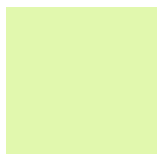
83.7345, 85.7911, 79.1639



Tritanopia

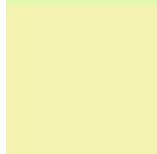
83.2166, 86.2019, 106.8604

Trichromacy



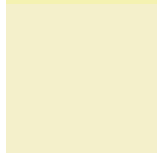
Original Color

72.2587, 86.1983, 52.8739



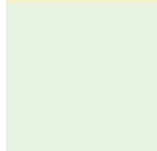
Protanomaly

76.9962, 85.9117, 54.1195



Deuteranomaly

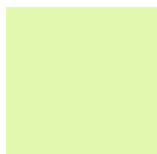
79.2478, 85.8651, 68.8967



Tritanomaly

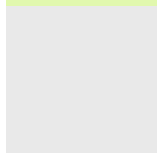
78.7583, 86.1511, 84.4293

Monochromacy



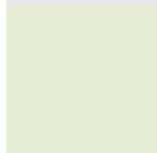
Original Color

72.2587, 86.1983, 52.8739



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.0913, 82.7255, 74.2972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2587, 86.1983, 52.8739 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(225, 248, 174)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 174)  
}
```

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(225, 248, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 174) }
```

Border

The CSS property to change the border of an element to XYZ 72.2587, 86.1983, 52.8739 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(225, 248, 174) }
```


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

```
.border{ border-color:rgb(225, 248, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 248, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 248, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 248, 174);  
box-shadow:4px 4px 4px 4px rgb(225, 248,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2587, 86.1983, 52.8739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 174) }
```

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

```
.background{ background-color: rgb(225,  
248, 174) }
```

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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