

Converting Colors

XYZ(81.3799, 93.7368, 72.8411)

Have a look what the booklet for
XYZ(81.3799, 93.7368, 72.8411)
contains.

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Color

**XYZ(81.2834, 93.6872,
72.8308)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFCF
RGB	235, 255, 207
RGB Percent	92%, 100%, 81%
CMY	0.0784, 0.0000, 0.1882
CMYK	0.08, 0.00, 0.19, 0.00
HSL	85°, 100%, 91%
HSV	85°, 19%, 100%
XYZ	81.2834, 93.6872, 72.8308
YIQ	243.5480, 3.4880, -19.1680

Conversions

Conversions Part 2

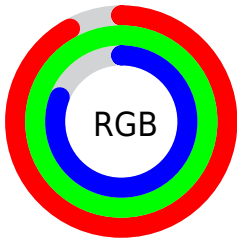
Format	Color
RYB	207, 255, 227
Decimal	15466447
CIELab	97.51, -14.65, 20.79
CIELCh	98, 25.434, 125.177
Yxy	93.6872, 0.3280, 0.3781
Android (android.graphics.Color)	4293656527 (0xFFEBFFCF)
YUV	243.5480, -18.0182, -7.4966
Hunter-Lab	96.7921, -19.4868, 23.1420

Details

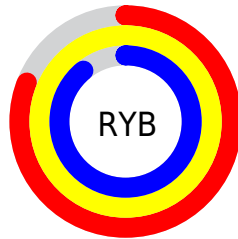
The XYZ color **81.2834, 93.6872, 72.8308** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.0423, 68.1778, 103.9703**, and the grayscale version is **85.7646, 90.2311, 98.2616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5343, 52.2718, 37.8792** is the 20% darker color. If you saturate the color by 10%, you get **75.0092, 90.7842, 57.5564**, and if you desaturate by 10%, it is **88.2718, 96.9000, 90.7695**.

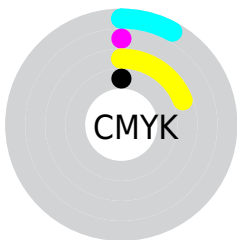
Distribution



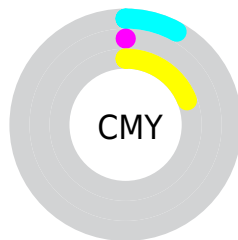
- Red (92%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2834, 93.6872, 72.8308 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 81.2834, 93.6872, 72.8308 by changing the saturation by 10% instead.

81.2834, 93.6872,
72.8308

81.2834, 93.6872,
72.8308

487.9184,
539.9536, 489.4832

61.0871, 71.0428,
53.3466

134.1097,
152.4497, 124.9557

44.5483, 52.3771,
37.6899

167.4704,
189.3365, 158.4335

31.3015, 37.3058,
25.4422

205.9500,
231.7397, 197.4129

20.9815, 25.4443,
16.1848

249.9139,
280.0435, 242.3125

13.2229, 16.4084,
9.4992

299.7273,
334.6325, 293.5507

7.6603, 9.8136,
4.9670

355.7556,

3.9283, 5.2755,

395.8908, 351.5463

2.1695

418.3642,
464.2031, 416.7176

■ 1.6617, 2.4098,
0.6567

■ 0.4321, 0.8309,
0.0000

■ 81.2834, 93.6872,
72.8308

■ 81.2834, 93.6872,
72.8308

■ 75.0092, 90.7842,
57.5564

■ 88.2718, 96.9000,
90.7695

■ 69.4197, 88.1790,
44.8149

95.0500, 100.0000,
108.9000

■ 64.4859, 85.8594,
34.4700

■ 60.1751, 83.8119,
26.3709

■ 56.4516, 82.0218,
20.3498

■ 53.2751, 80.4724,
16.2151

■ 50.5982, 79.1445,
13.7400

■ 48.3542, 78.0106,
12.5952

■ 48.1087, 77.8860,
12.4979

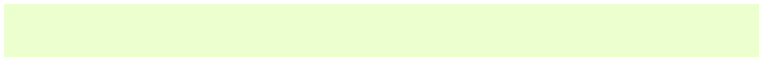
Harmonies

Analogous

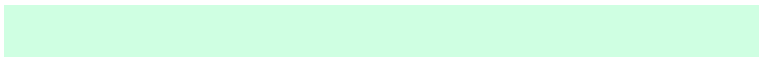
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7997, 93.6872, 67.3042



81.2834, 93.6872, 72.8308



77.0277, 93.6872, 86.2062

Triad

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



81.2834, 93.6872, 72.8308



83.3428, 93.6872, 142.5335



103.6064, 93.6872, 98.4627

Complementary

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



81.2834, 93.6872, 72.8308



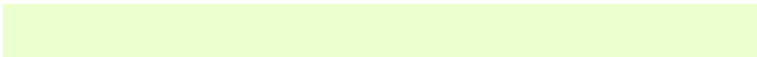
72.0423, 68.1778, 103.9703

Split Complementary

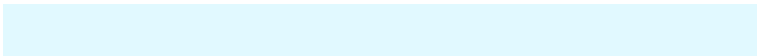
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.2555, 93.6872, 119.6348



81.2834, 93.6872, 72.8308



90.3058, 93.6872, 146.9689

Square

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



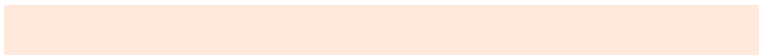
81.2834, 93.6872, 72.8308



78.1709, 93.6872, 126.6813



97.2896, 93.6872, 138.0952



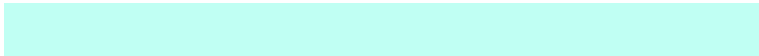
100.8876, 93.6872, 80.7688

Rectangle

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



81.2834, 93.6872, 72.8308



75.9128, 93.6872, 98.7015



97.2896, 93.6872, 138.0952



103.6146, 93.6872, 105.3904

Sweetspot

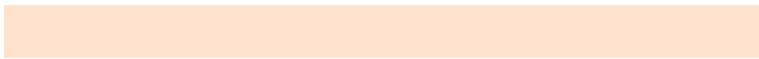
The Sweet Spot groups the original color and five complimentary colors.



81.2839, 93.6874, 72.8322



90.3770, 97.8643, 96.3309



79.9722, 80.7039, 70.3953



19.2390, 20.8987, 20.3391



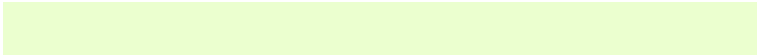
0.0000, 0.0000, 0.0000



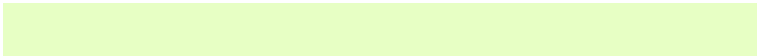
20.3446, 21.4041, 23.3091

Same Dimension

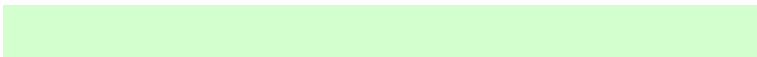
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2839, 93.6874, 72.8322



78.5776, 92.4377, 66.1344



73.8873, 89.8743, 72.4860



18.7869, 20.6916, 19.1480



25.3119, 40.7868, 6.5386



2.5890, 4.0354, 0.6425

Inverse Universe

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



72.0423, 68.1778, 103.9703



67.6231, 62.1968, 103.0488



80.1471, 72.3559, 104.3496



17.7201, 17.7474, 22.7416



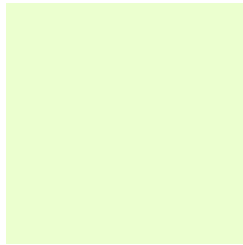
12.7135, 5.4645, 49.8193



1.3588, 0.5944, 4.8564

Previews

White Background



This preview shows how the XYZ color 81.2834, 93.6872, 72.8308 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 81.2834, 93.6872, 72.8308 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

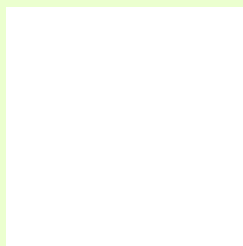
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2834, 93.6872, 72.8308

Background



This preview shows how black text looks on a background with the XYZ color 81.2834, 93.6872, 72.8308.



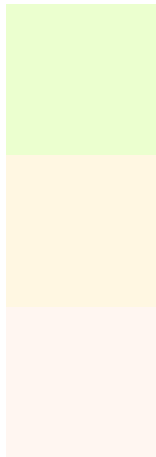
This preview shows how white text looks on a background with the XYZ color 81.2834, 93.6872,

72.8308.

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

81.2834, 93.6872, 72.8308

Protanopia

88.2282, 93.2725, 85.3048

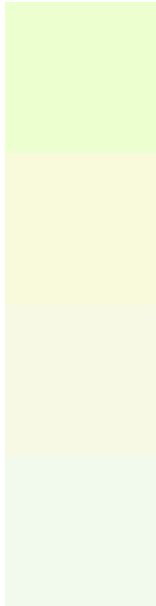
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

89.3168, 93.3344, 107.9156

Trichromacy



Original Color

81.2834, 93.6872, 72.8308

Protanomaly

85.6832, 93.4421, 80.5380

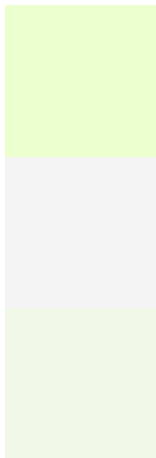
Deuteranomaly

86.7299, 93.3650, 87.5788

Tritanomaly

86.2362, 93.4215, 94.3759

Monochromacy



Original Color

81.2834, 93.6872, 72.8308

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.2668, 91.6051, 88.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2834, 93.6872, 72.8308 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(235, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 207)  
}
```

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(235, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 81.2834, 93.6872, 72.8308 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(235, 255, 207) }
```


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

```
.border{ border-color:rgb(235, 255, 207) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2834, 93.6872, 72.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 207) }
```

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

```
.background{ background-color: rgb(235,  
255, 207) }
```

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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