

Converting Colors

XYZ(83.9573, 100.0000,
73.3795)

Have a look what the booklet for
XYZ(83.9573, 100.0000, 73.3795)
contains.

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Color

**XYZ(80.5049, 93.2999,
72.1581)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFCE
RGB	233, 255, 206
RGB Percent	91%, 100%, 81%
CMY	0.0863, 0.0000, 0.1921
CMYK	0.09, 0.00, 0.19, 0.00
HSL	87°, 100%, 90%
HSV	87°, 19%, 100%
XYZ	80.5049, 93.2999, 72.1581
YIQ	242.8360, 2.6170, -19.9030

Conversions

Conversions Part 2

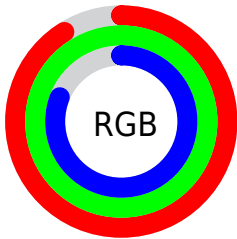
Format	Color
RYB	206, 255, 228
Decimal	15335374
CIELab	97.35, -15.50, 21.06
CIELCh	97, 26.147, 126.349
Yxy	93.2999, 0.3273, 0.3793
Android (android.graphics.Color)	4293525454 (0xFFE9FFCE)
YUV	242.8360, -18.1601, -8.6262
Hunter-Lab	96.5919, -20.2642, 23.3222

Details

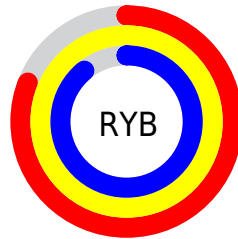
The XYZ color **80.5049, 93.2999, 72.1581** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.1170, 67.8578, 103.9046**, and the grayscale version is **85.1988, 89.6358, 97.6134**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9930, 52.0023, 37.4245** is the 20% darker color. If you saturate the color by 10%, you get **74.0367, 90.2948, 56.9752**, and if you desaturate by 10%, it is **87.7194, 96.6316, 90.0021**.

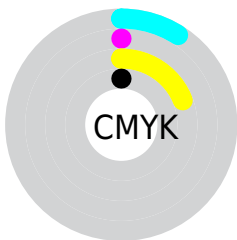
Distribution



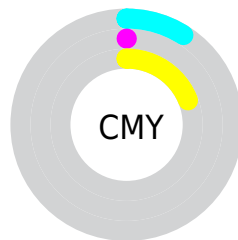
- Red (91%)
- Green (100%)
- Blue (81%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5049, 93.2999, 72.1581 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 80.5049, 93.2999, 72.1581 by changing the saturation by 10% instead.


 80.5049, 93.2999,
72.1581

 80.5049, 93.2999,
72.1581


485.3434,
538.7079, 487.0840

 60.4438, 70.7208,
52.8002


133.0222,
151.9137, 123.9911

 44.0273, 52.1144,
37.2567


166.2091,
188.7173, 157.3033

 30.8900, 37.0963,
25.1089


204.5019,
231.0311, 196.1040

 20.6665, 25.2820,
15.9385

248.2661,
279.2395, 240.8117

 12.9915, 16.2873,
9.3267

297.8670,
333.7270, 291.8451

 7.4997, 9.7277,
4.8552

353.6700,

 3.8256, 5.2188,

394.8780, 349.6225

2.1053

416.0403,
463.0768, 414.5627

■ 1.6039, 2.3762,
0.6189

■ 0.3950, 0.8136,
0.0000

■ 80.5049, 93.2999,
72.1581

■ 80.5049, 93.2999,
72.1581

■ 74.0367, 90.2948,
56.9752

■ 87.7194, 96.6316,
90.0021

■ 68.2843, 87.6034,
44.3215

95.0500, 100.0000,
108.9000

■ 63.2175, 85.2133,
34.0602

■ 58.8027, 83.1103,
26.0399

■ 55.0028, 81.2791,
20.0919

■ 51.7761, 79.7024,
16.0236

■ 49.0739, 78.3601,
13.6062

■ 46.8253, 77.2231,
12.4951

■ 46.6616, 77.1400,
12.4302

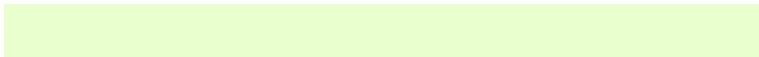
Harmonies

Analogous

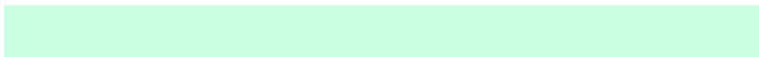
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1136, 93.2999, 66.2122



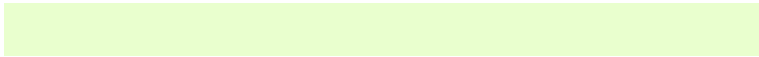
80.5049, 93.2999, 72.1581



76.2659, 93.2999, 86.0923

Triad

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



80.5049, 93.2999, 72.1581



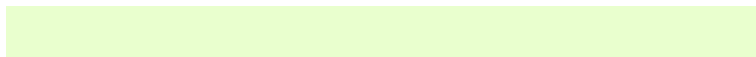
83.0889, 93.2999, 143.7030



103.5951, 93.2999, 97.1449

Complementary

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



80.5049, 93.2999, 72.1581



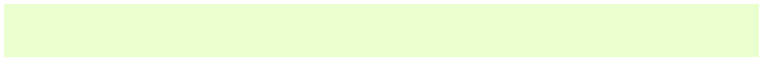
72.1170, 67.8578, 103.9046

Split Complementary

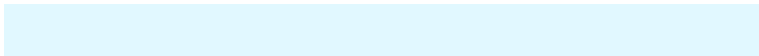
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.3703, 93.2999, 118.8391



80.5049, 93.2999, 72.1581



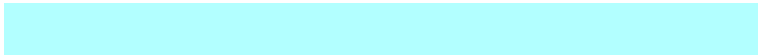
90.2626, 93.2999, 147.7409

Square

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



80.5049, 93.2999, 72.1581



77.6986, 93.2999, 127.7227



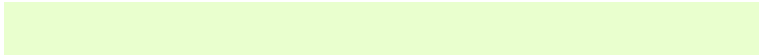
97.3880, 93.2999, 138.0954



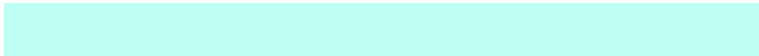
100.6475, 93.2999, 79.2858

Rectangle

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



80.5049, 93.2999, 72.1581



75.2154, 93.2999, 99.0133



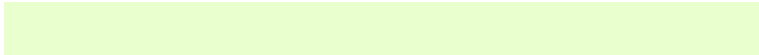
97.3880, 93.2999, 138.0954



103.6599, 93.2999, 104.2064

Sweetspot

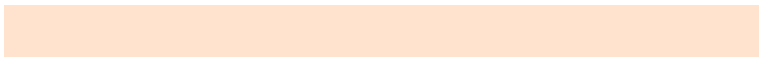
The Sweet Spot groups the original color and five complimentary colors.



80.5055, 93.3002, 72.1595



90.2014, 97.7738, 96.3227



79.9141, 80.7829, 69.7746



19.1975, 20.8773, 20.3372



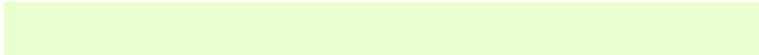
0.0000, 0.0000, 0.0000



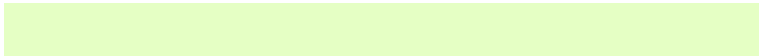
20.3446, 21.4041, 23.3091

Same Dimension

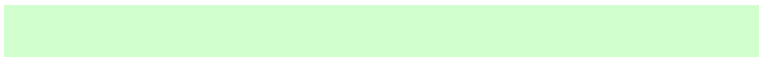
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5055, 93.3002, 72.1595



77.9708, 92.1249, 66.1060



73.2714, 89.5709, 71.8209



18.7285, 20.6615, 19.1453



24.5562, 40.3973, 6.5032



2.5168, 3.9982, 0.6391

Inverse Universe

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



72.1170, 67.8578, 103.9046



68.2026, 62.4955, 103.0759



80.1702, 72.0093, 104.2815



17.7774, 17.7770, 22.7443



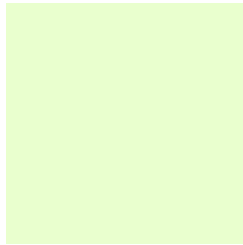
13.2570, 5.7447, 49.8447



1.4144, 0.6231, 4.8590

Previews

White Background



This preview shows how the XYZ color 80.5049, 93.2999, 72.1581 looks on a white background.

Color Contrast Check

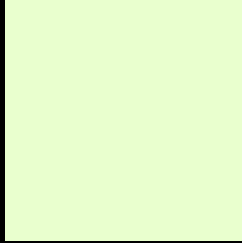
Large Text (above 18pt) WCAG AA × Fail

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 80.5049, 93.2999, 72.1581 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

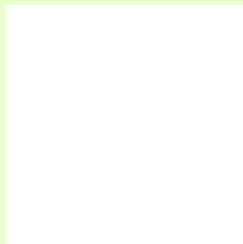
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5049, 93.2999, 72.1581

Background



This preview shows how black text looks on a background with the XYZ color 80.5049, 93.2999, 72.1581.



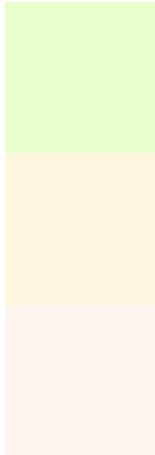
This preview shows how white text looks on a background with the XYZ color 80.5049, 93.2999,

72.1581.

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

80.5049, 93.2999, 72.1581

Protanopia

87.9553, 93.1633, 83.8676

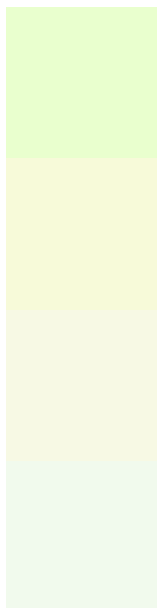
Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



Original Color

80.5049, 93.2999, 72.1581

Protanomaly

85.0678, 93.1551, 79.1428

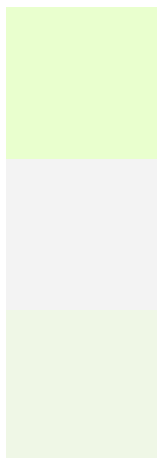
Deuteranomaly

86.2370, 93.1270, 86.8289

Tritanomaly

85.7473, 93.1864, 93.5882

Monochromacy



Original Color

80.5049, 93.2999, 72.1581

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.1403, 90.5854, 87.9657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5049, 93.2999, 72.1581 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(233, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 206)  
}
```

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(233, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 80.5049, 93.2999, 72.1581 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(233, 255, 206) }
```


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

```
.border{ border-color:rgb(233, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5049, 93.2999, 72.1581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 206) }
```

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

```
.background{ background-color: rgb(233,  
255, 206) }
```

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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