

Converting Colors

XYZ(80.5190, 93.2931, 72.7957)

Have a look what the booklet for
XYZ(80.5190, 93.2931, 72.7957)
contains.

XYZ(80.6268, 93.3486, 72.8001)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.6268, 93.3486,
72.8001)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FFCF
RGB	233, 255, 207
RGB Percent	91%, 100%, 81%
CMY	0.0863, 0.0000, 0.1882
CMYK	0.09, 0.00, 0.19, 0.00
HSL	87°, 100%, 91%
HSV	87°, 19%, 100%
XYZ	80.6268, 93.3486, 72.8001
YIQ	242.9500, 2.2960, -19.5920

Conversions

Conversions Part 2

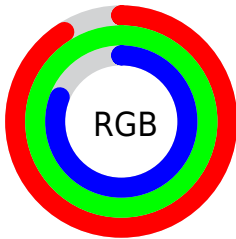
Format	Color
RYB	207, 255, 229
Decimal	15335375
CIELab	97.37, -15.34, 20.58
CIELCh	97, 25.669, 126.710
Yxy	93.3486, 0.3267, 0.3783
Android (android.graphics.Color)	4293525455 (0xFFE9FFCF)
YUV	242.9500, -17.7234, -8.7262
Hunter-Lab	96.6171, -20.1219, 22.9575

Details

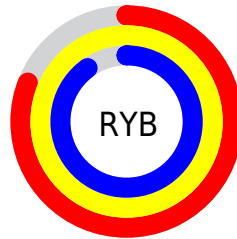
The XYZ color **80.6268, 93.3486, 72.8001** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.6768, 68.5049, 104.0000**, and the grayscale version is **85.2864, 89.7279, 97.7137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0753, 52.0352, 37.8578** is the 20% darker color. If you saturate the color by 10%, you get **74.0666, 90.2983, 57.5123**, and if you desaturate by 10%, it is **87.9446, 96.7313, 90.7543**.

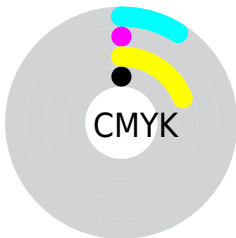
Distribution



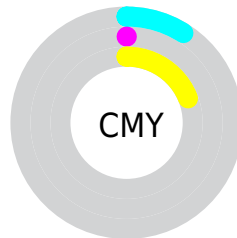
- Red (91%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (90%)



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6268, 93.3486, 72.8001 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 80.6268, 93.3486, 72.8001 by changing the saturation by 10% instead.


 80.6268, 93.3486,
72.8001

 80.6268, 93.3486,
72.8001

485.7471,
538.8646, 489.3739

 60.5445, 70.7613,
53.3217


133.1925,
151.9811, 124.9117

 44.1088, 52.1474,
37.6702

166.4067,
188.7952, 158.3819

 30.9543, 37.1226,
25.4269


204.7288,
231.1202, 197.3532

 20.7157, 25.3024,
16.1735

248.5244,
279.3407, 242.2440

 13.0277, 16.3025,
9.4913

298.1586,
333.8409, 293.4730

 7.5247, 9.7385,
4.9619

353.9969,

 3.8416, 5.2259,

395.0054, 351.4586

2.1666

416.4046,
463.2185, 416.6194

■ 1.6129, 2.3804,
0.6550

■ 0.4008, 0.8158,
0.0000

■ 80.6268, 93.3486,
72.8001

■ 80.6268, 93.3486,
72.8001

■ 74.0666, 90.2983,
57.5123

■ 87.9446, 96.7313,
90.7543

■ 68.2330, 87.5672,
44.7594

95.0500, 100.0000,
108.9000

■ 63.0957, 85.1427,
34.4049

■ 58.6208, 83.0106,
26.2982

■ 54.7712, 81.1555,
20.2712

■ 51.5050, 79.5599,
16.1323

■ 48.7734, 78.2037,
13.6546

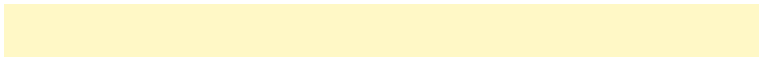
■ 46.5079, 77.0589,
12.5088

■ 46.2621, 76.9340,
12.4115

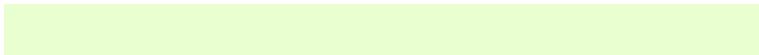
Harmonies

Analogous

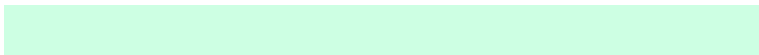
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1014, 93.3486, 66.8330



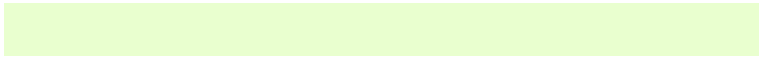
80.6268, 93.3486, 72.8001



76.4921, 93.3486, 86.6160

Triad

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



80.6268, 93.3486, 72.8001



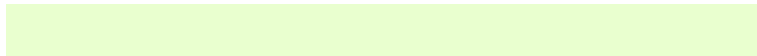
83.3108, 93.3486, 143.0361



103.3483, 93.3486, 97.0334

Complementary

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



80.6268, 93.3486, 72.8001



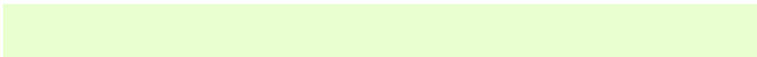
72.6768, 68.5049, 104.0000

Split Complementary

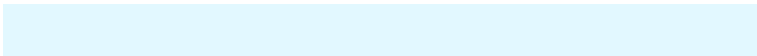
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.1973, 93.3486, 118.3097



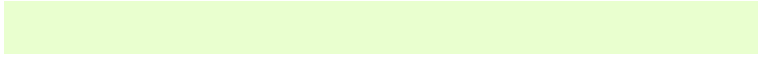
80.6268, 93.3486, 72.8001



90.3688, 93.3486, 146.8222

Square

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



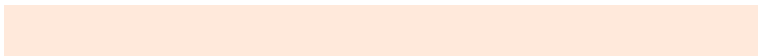
80.6268, 93.3486, 72.8001



77.9815, 93.3486, 127.5055



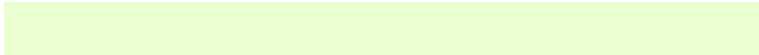
97.3482, 93.3486, 137.2406



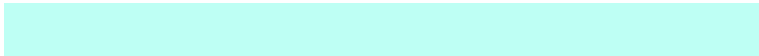
100.4127, 93.3486, 79.5341

Rectangle

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



80.6268, 93.3486, 72.8001



75.4853, 93.3486, 99.3599



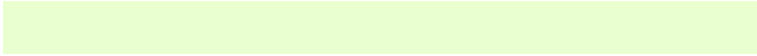
97.3482, 93.3486, 137.2406



103.4288, 93.3486, 103.9562

Sweetspot

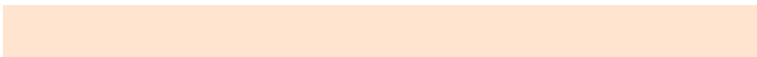
The Sweet Spot groups the original color and five complimentary colors.



80.6274, 93.3489, 72.8015



90.1506, 97.7476, 96.3203



80.4118, 81.5833, 70.5419



19.1855, 20.8712, 20.3366



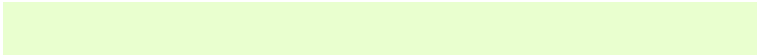
0.0000, 0.0000, 0.0000



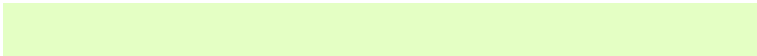
20.3446, 21.4041, 23.3091

Same Dimension

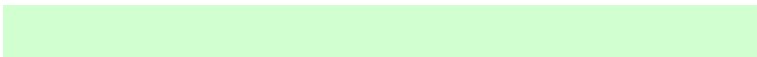
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6274, 93.3489, 72.8015



77.7964, 92.0349, 66.0979



73.4312, 89.6391, 72.4647



18.7117, 20.6528, 19.1445



24.3473, 40.2896, 6.4934



2.4967, 3.9878, 0.6381

Inverse Universe

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



72.6768, 68.5049, 104.0000



68.3716, 62.5826, 103.0838



80.7259, 72.6544, 104.3767



17.7940, 17.7856, 22.7451



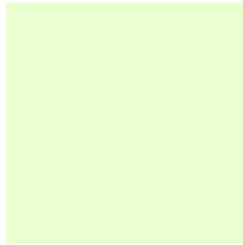
13.4235, 5.8305, 49.8525



1.4312, 0.6317, 4.8598

Previews

White Background



This preview shows how the XYZ color 80.6268, 93.3486, 72.8001 looks on a white background.

Color Contrast Check

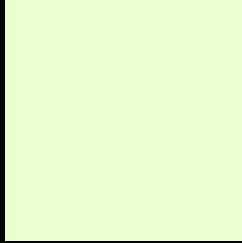
Large Text (above 18pt) WCAG AA × Fail

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 80.6268, 93.3486, 72.8001 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

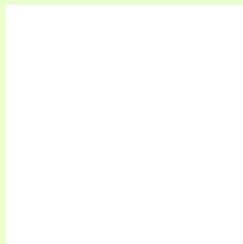
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6268, 93.3486, 72.8001

Background



This preview shows how black text looks on a background with the XYZ color 80.6268, 93.3486, 72.8001.



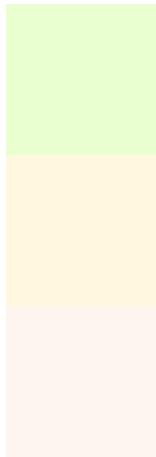
This preview shows how white text looks on a background with the XYZ color 80.6268, 93.3486,

72.8001.

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

80.6268, 93.3486, 72.8001

Protanopia

87.9553, 93.1633, 83.8676

Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

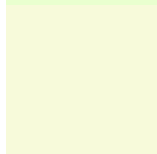
88.9670, 93.1540, 107.8992

Trichromacy



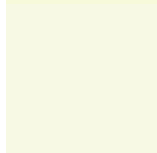
Original Color

80.6268, 93.3486, 72.8001



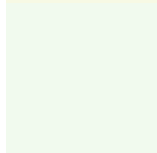
Protanomaly

85.1983, 93.2073, 79.8301



Deuteranomaly

86.2370, 93.1270, 86.8289



Tritanomaly

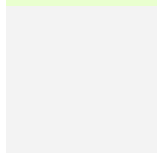
85.8939, 93.2450, 94.3599

Monochromacy



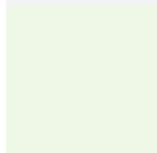
Original Color

80.6268, 93.3486, 72.8001



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 80.6268, 93.3486, 72.8001 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 207) }
```

Border

The CSS property to change the border of an element to XYZ 80.6268, 93.3486, 72.8001 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, 207) }
```


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

```
.border{ border-color:rgb(233, 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(233, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6268, 93.3486, 72.8001 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, 207) }
```

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

```
.background{ background-color: rgb(233,  
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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