

Converting Colors

XYZ(83.8237, 100.0000,
75.6519)

Have a look what the booklet for
XYZ(83.8237, 100.0000, 75.6519)
contains.

XYZ(80.3479, 93.1621, 74.7201)	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(80.3479, 93.1621,
74.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFD2
RGB	231, 255, 210
RGB Percent	91%, 100%, 82%
CMY	0.0941, 0.0000, 0.1765
CMYK	0.09, 0.00, 0.18, 0.00
HSL	92°, 100%, 91%
HSV	92°, 18%, 100%
XYZ	80.3479, 93.1621, 74.7201
YIQ	242.6940, 0.1410, -19.0830

Conversions

Conversions Part 2

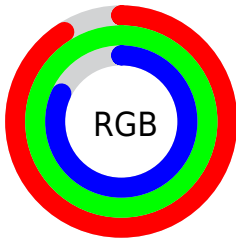
Format	Color
R_{YB}	210, 255, 234
Decimal	15204306
CIE _{Lab}	97.29, -15.56, 18.92
CIE _{LCh}	97, 24.502, 129.437
Yxy	93.1621, 0.3237, 0.3753
Android (android.graphics.Color)	4293394386 (0xFFE7FFD2)
YUV	242.6940, -16.1181, -10.2556
Hunter-Lab	96.5205, -20.3197, 21.6658

Details

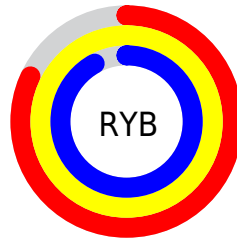
The XYZ color **80.3479, 93.1621, 74.7201** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.0291, 70.8068, 104.3204**, and the grayscale version is **85.0716, 89.5019, 97.4676**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7897, 51.8687, 38.7140** is the 20% darker color. If you saturate the color by 10%, you get **73.1991, 89.8151, 59.1019**, and if you desaturate by 10%, it is **88.3452, 96.8880, 93.0231**.

Distribution



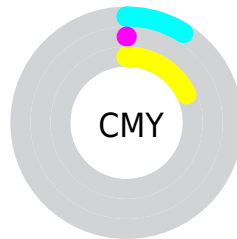
- Red (91%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3479, 93.1621, 74.7201 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 80.3479, 93.1621, 74.7201 by changing the saturation by 10% instead.

80.3479, 93.1621,
74.7201

80.3479, 93.1621,
74.7201

484.8232,
538.2643, 496.1847

60.3141, 70.6062,
54.8833

132.8027,
151.7230, 127.6595

43.9223, 52.0209,
38.9103

165.9545,
188.4969, 161.5992

30.8071, 37.0218,
26.3827

204.2096,
230.7788, 201.0769

20.6031, 25.2243,
16.8818

247.9334,
278.9533, 246.5112

12.9450, 16.2443,
9.9892

297.4914,
333.4047, 298.3205

7.4674, 9.6972,
5.2863

353.2487,

3.8050, 5.1986,

394.5174, 356.9235

2.3545

415.5709,
462.6758, 422.7388

■ 1.5924, 2.3643,
0.7615

■ 0.3875, 0.8074,
0.0000

■ 80.3479, 93.1621,
74.7201

■ 80.3479, 93.1621,
74.7201

■ 73.1991, 89.8151,
59.1019

■ 88.3452, 96.8880,
93.0231

■ 66.8656, 86.8326,
46.0380

95.0500, 100.0000,
108.9000

■ 61.3139, 84.2004,
35.3934

■ 56.5076, 81.9031,
27.0186

■ 52.4067, 79.9235,
20.7479

■ 48.9663, 78.2428,
16.3928

■ 46.1351, 76.8392,
13.7312

■ 43.8474, 75.6854,
12.4701

■ 43.3678, 75.4419,
12.2760

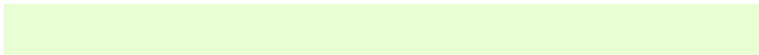
Harmonies

Analogous

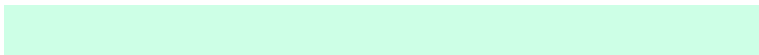
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3802, 93.1621, 68.2491



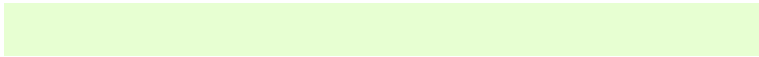
80.3479, 93.1621, 74.7201



76.6453, 93.1621, 88.6123

Triad

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



80.3479, 93.1621, 74.7201



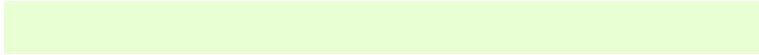
83.9483, 93.1621, 141.5402



102.3577, 93.1621, 95.3065

Complementary

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



80.3479, 93.1621, 74.7201



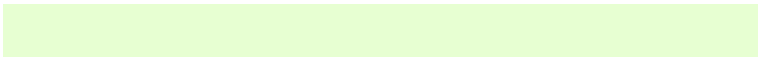
75.0291, 70.8068, 104.3204

Split Complementary

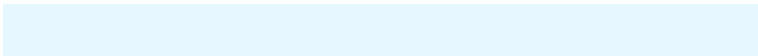
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6228, 93.1621, 115.4445



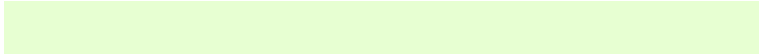
80.3479, 93.1621, 74.7201



90.7513, 93.1621, 143.9454

Square

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



80.3479, 93.1621, 74.7201



78.6475, 93.1621, 127.6697



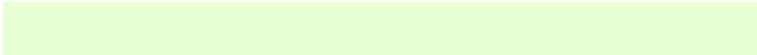
97.2874, 93.1621, 133.8675



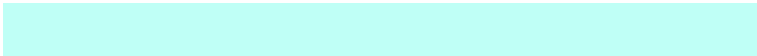
99.2459, 93.1621, 79.0700

Rectangle

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



80.3479, 93.1621, 74.7201



75.8772, 93.1621, 101.0633



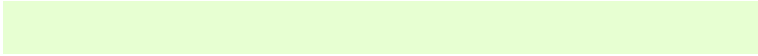
97.2874, 93.1621, 133.8675



102.5558, 93.1621, 101.8130

Sweetspot

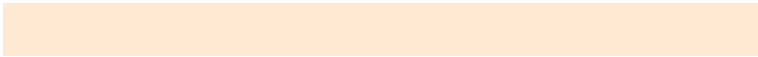
The Sweet Spot groups the original color and five complimentary colors.



80.3485, 93.1624, 74.7215



90.6070, 97.9389, 98.3300



82.0832, 84.3333, 72.9259



19.2638, 20.9026, 20.7409



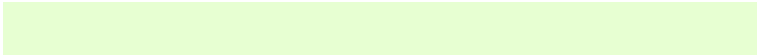
0.0000, 0.0000, 0.0000



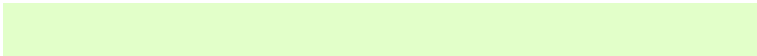
20.3446, 21.4041, 23.3091

Same Dimension

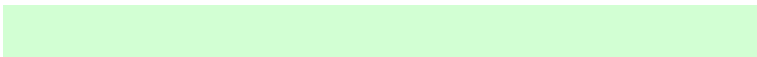
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3485, 93.1624, 74.7215



77.8578, 91.9982, 69.1902



74.0658, 89.9127, 74.9164



18.5774, 20.5836, 19.1382



22.8292, 39.5070, 6.4224



2.3475, 3.9109, 0.6312

Inverse Universe

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



75.0291, 70.8068, 104.3204



71.6780, 66.0281, 103.5746



82.2166, 74.5260, 104.0277



17.9282, 17.8547, 22.7513



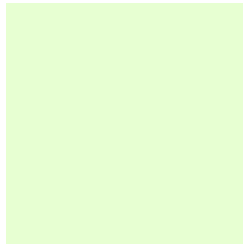
14.9110, 6.5974, 49.9221



1.5780, 0.7074, 4.8666

Previews

White Background



This preview shows how the XYZ color 80.3479, 93.1621, 74.7201 looks on a white background.

Color Contrast Check

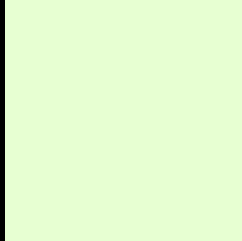
Large Text (above 18pt) WCAG AA × Fail

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 80.3479, 93.1621, 74.7201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

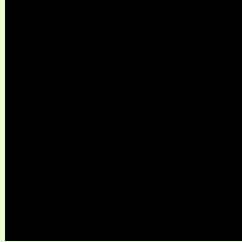
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

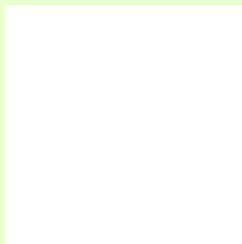
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3479, 93.1621, 74.7201

Background



This preview shows how black text looks on a background with the XYZ color 80.3479, 93.1621, 74.7201.



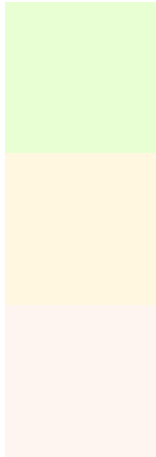
This preview shows how white text looks on a background with the XYZ color 80.3479, 93.1621, 74.7201.

74.7201.

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

80.3479, 93.1621, 74.7201

Protanopia

87.9553, 93.1633, 83.8676

Deuteranopia

89.6206, 92.8561, 95.6376

Tritanopia

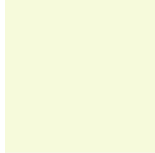
88.6190, 92.9746, 107.8829

Trichromacy



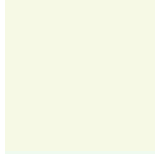
Original Color

80.3479, 93.1621, 74.7201



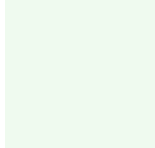
Protanomaly

84.9778, 93.0785, 80.5050



Deuteranomaly

86.0246, 93.0013, 87.5458



Tritanomaly

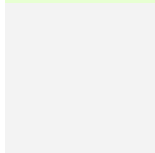
85.3622, 92.9539, 95.1042

Monochromacy



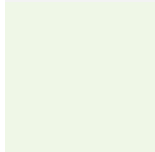
Original Color

80.3479, 93.1621, 74.7201



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2812, 90.6418, 88.7075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3479, 93.1621, 74.7201 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(231, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 210)  
}
```

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(231, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 80.3479, 93.1621, 74.7201 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(231, 255, 210) }
```


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

```
.border{ border-color:rgb(231, 255, 210) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3479, 93.1621, 74.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 210) }
```

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

```
.background{ background-color: rgb(231,  
255, 210) }
```

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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