

Converting Colors

XYZ(80.8336, 93.3886, 75.8215)

Have a look what the booklet for
XYZ(80.8336, 93.3886, 75.8215)
contains.

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Color

**XYZ(80.9224, 93.4293,
76.0559)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FFD4
RGB	232, 255, 212
RGB Percent	91%, 100%, 83%
CMY	0.0902, 0.0000, 0.1686
CMYK	0.09, 0.00, 0.17, 0.00
HSL	92°, 100%, 92%
HSV	92°, 17%, 100%
XYZ	80.9224, 93.4293, 76.0559
YIQ	243.2210, 0.0950, -18.2490

Conversions

Conversions Part 2

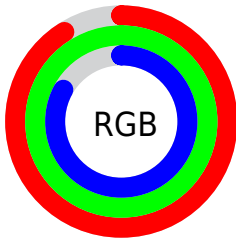
Format	Color
R _Y B	212, 255, 235
Decimal	15269844
CIE Lab	97.40, -14.91, 18.07
CIE LCh	97, 23.422, 129.529
Yxy	93.4293, 0.3232, 0.3731
Android (android.graphics.Color)	4293459924 (0xFFE8FFD4)
YUV	243.2210, -15.3920, -9.8408
Hunter-Lab	96.6588, -19.7135, 21.0089

Details

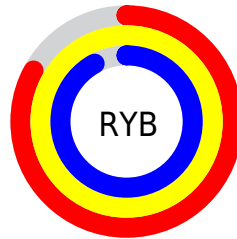
The XYZ color **80.9224, 93.4293, 76.0559** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.8552, 71.9703, 104.5014**, and the grayscale version is **85.4855, 89.9374, 97.9418**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1844, 52.0526, 39.6167** is the 20% darker color. If you saturate the color by 10%, you get **73.6981, 90.0478, 60.2313**, and if you desaturate by 10%, it is **88.9996, 97.1917, 94.5749**.

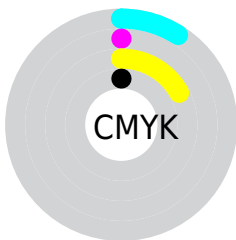
Distribution



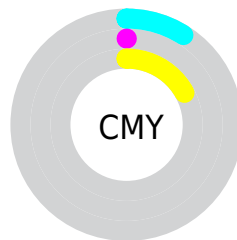
- Red (91%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9224, 93.4293, 76.0559 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 80.9224, 93.4293, 76.0559 by changing the saturation by 10% instead.


 80.9224, 93.4293,
76.0559

 80.9224, 93.4293,
76.0559


486.7253,
539.1242, 500.8910

 60.7888, 70.8284,
55.9714


133.6055,
152.0928, 129.5667

 44.3066, 52.2022,
39.7762


166.8857,
188.9242, 163.8302

 31.1106, 37.1662,
27.0516

205.2788,
231.2679, 203.6570

 20.8353, 25.3362,
17.3792

249.1502,
279.5082, 249.4657

 13.1154, 16.3277,
10.3404

298.8652,
334.0296, 301.6750

 7.5856, 9.7564,
5.5167

354.7891,

 3.8805, 5.2377,

395.2165, 360.7032

2.4895

417.2874,
463.4533, 426.9691

■ 1.6348, 2.3874,
0.8346

■ 0.4149, 0.8194,
0.0000

■ 80.9224, 93.4293,
76.0559

■ 80.9224, 93.4293,
76.0559

■ 73.6981, 90.0478,
60.2313

■ 88.9996, 97.1917,
94.5749

■ 67.2935, 87.0329,
46.9714

95.0500, 100.0000,
108.9000

■ 61.6753, 84.3705,
36.1419

■ 56.8072, 82.0451,
27.5947

■ 52.6493, 80.0396,
21.1653

■ 49.1574, 78.3354,
16.6673

■ 46.2804, 76.9109,
13.8821

■ 43.9558, 75.7400,
12.5324

■ 43.3137, 75.4141,
12.2735

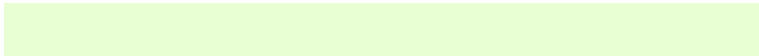
Harmonies

Analogous

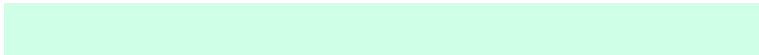
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7053, 93.4293, 69.7661



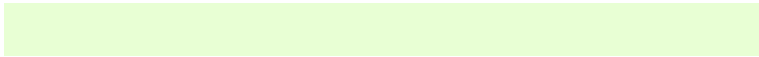
80.9224, 93.4293, 76.0559



77.3715, 93.4293, 89.4709

Triad

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



80.9224, 93.4293, 76.0559



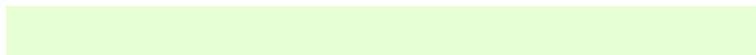
84.4117, 93.4293, 139.9660



101.9951, 93.4293, 95.7959

Complementary

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



80.9224, 93.4293, 76.0559



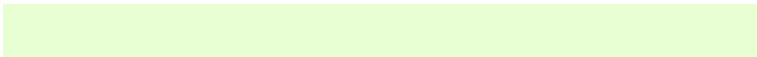
75.8552, 71.9703, 104.5014

Split Complementary

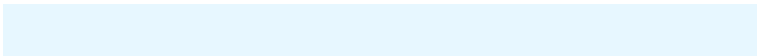
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3057, 93.4293, 115.0577



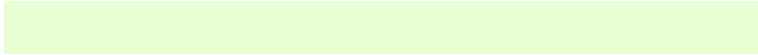
80.9224, 93.4293, 76.0559



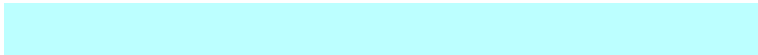
90.9317, 93.4293, 142.2099

Square

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



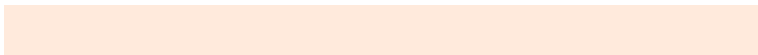
80.9224, 93.4293, 76.0559



79.3153, 93.4293, 126.8160



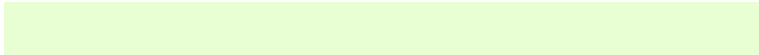
97.1766, 93.4293, 132.6121



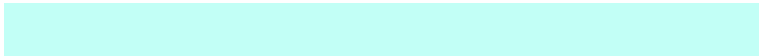
99.0160, 93.4293, 80.1893

Rectangle

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



80.9224, 93.4293, 76.0559



76.6388, 93.4293, 101.4282



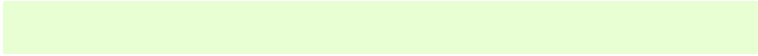
97.1766, 93.4293, 132.6121



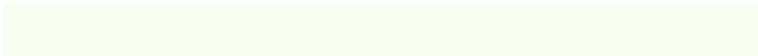
102.1879, 93.4293, 102.0296

Sweetspot

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



80.9230, 93.4296, 76.0573



90.5999, 97.9353, 98.3297



82.8134, 85.3926, 74.4064



19.2621, 20.9018, 20.7408



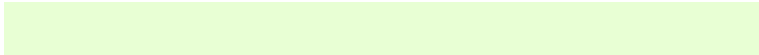
0.0000, 0.0000, 0.0000



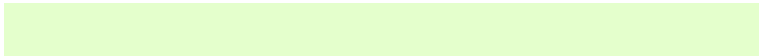
20.3446, 21.4041, 23.3091

Same Dimension

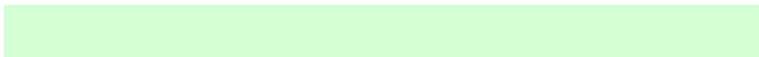
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9230, 93.4296, 76.0573



78.5656, 92.3280, 70.8070



74.9775, 90.3436, 76.7272



18.5747, 20.5822, 19.1381



22.8008, 39.4923, 6.4211



2.3446, 3.9095, 0.6310

Inverse Universe

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



75.8552, 71.9703, 104.5014



72.6880, 67.4411, 103.7941



82.6041, 75.4760, 103.6172



17.9310, 17.8561, 22.7515



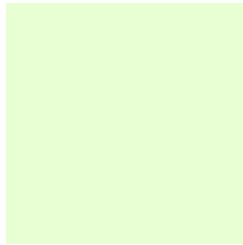
14.9446, 6.6147, 49.9237



1.5813, 0.7091, 4.8668

Previews

White Background



This preview shows how the XYZ color 80.9224, 93.4293, 76.0559 looks on a white background.

Color Contrast Check

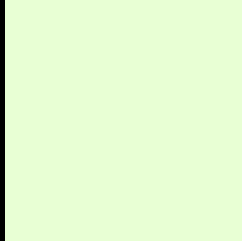
Large Text (above 18pt) WCAG AA × Fail

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 80.9224, 93.4293, 76.0559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

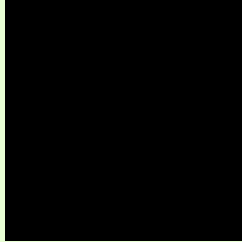
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

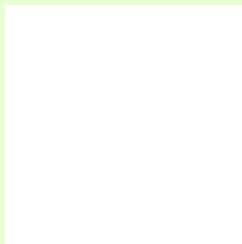
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9224, 93.4293, 76.0559

Background



This preview shows how black text looks on a background with the XYZ color 80.9224, 93.4293, 76.0559.



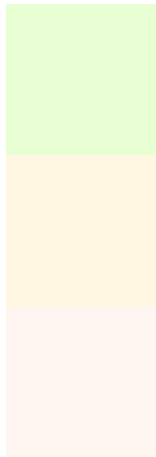
This preview shows how white text looks on a background with the XYZ color 80.9224, 93.4293,

76.0559.

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

80.9224, 93.4293, 76.0559

Protanopia

88.2282, 93.2725, 85.3048

Deuteranopia

89.7696, 92.9157, 96.4222

Tritanopia

88.9670, 93.1540, 107.8992

Trichromacy



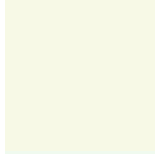
Original Color

80.9224, 93.4293, 76.0559



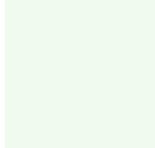
Protanomaly

85.5945, 93.3658, 81.9167



Deuteranomaly

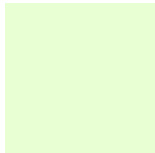
86.5164, 93.2387, 88.2999



Tritanomaly

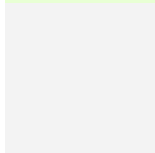
85.7008, 93.1285, 95.1200

Monochromacy



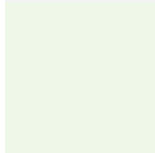
Original Color

80.9224, 93.4293, 76.0559



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.4229, 90.6984, 89.4536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9224, 93.4293, 76.0559 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(232, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 212)  
}
```

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(232, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 212) }
```

Border

The CSS property to change the border of an element to XYZ 80.9224, 93.4293, 76.0559 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(232, 255, 212) }
```


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

```
.border{ border-color:rgb(232, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9224, 93.4293, 76.0559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 212) }
```

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

```
.background{ background-color: rgb(232,  
255, 212) }
```

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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