

Converting Colors

XYZ(80.4499, 89.7224, 75.0181)

Have a look what the booklet for
XYZ(80.4499, 89.7224, 75.0181)
contains.

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Color

**XYZ(80.5852, 90.0151,
74.7554)**

Conversions

Conversions Part 1

Format	Color
Hex	EEF8D3
RGB	238, 248, 211
RGB Percent	93%, 97%, 83%
CMY	0.0667, 0.0274, 0.1725
CMYK	0.04, 0.00, 0.15, 0.03
HSL	76°, 73%, 90%
HSV	76°, 15%, 97%
XYZ	80.5852, 90.0151, 74.7554
YIQ	240.7920, 5.9170, -13.6270

Conversions

Conversions Part 2

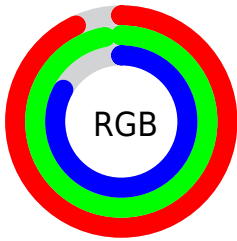
Format	Color
R _Y B	211, 248, 221
Decimal	15661267
CIE Lab	96.00, -9.54, 16.67
CIE LCh	96, 19.207, 119.775
Yxy	90.0151, 0.3284, 0.3669
Android (android.graphics.Color)	4293851347 (0xFFEEF8D3)
YUV	240.7920, -14.6875, -2.4486
Hunter-Lab	94.8763, -14.4207, 19.6973

Details

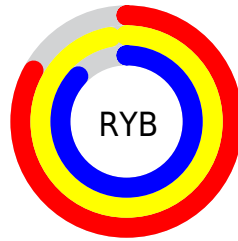
The XYZ color **80.5852, 90.0151, 74.7554** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.0599, 68.7404, 98.3874**, and the grayscale version is **83.5562, 87.9077, 95.7314**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1418, 50.0447, 38.7856** is the 20% darker color. If you saturate the color by 10%, you get **75.5041, 87.7304, 59.5209**, and if you desaturate by 10%, it is **86.2347, 92.5428, 92.5241**.

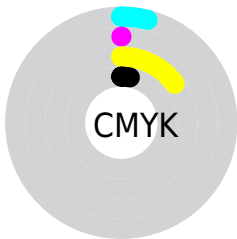
Distribution



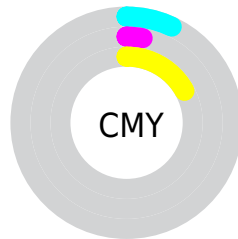
- Red (93%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)





- Cyan (7%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5852, 90.0151, 74.7554 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 80.5852, 90.0151, 74.7554 by changing the saturation by 10% instead.


 80.5852, 90.0151,
74.7554

 80.5852, 90.0151,
74.7554


485.6094,
528.0800, 496.3094

 60.5102, 67.9932,
54.9120


133.1344,
147.3594, 127.7100

 44.0810, 49.8922,
38.9331


166.3392,
183.4505, 161.6582

 30.9324, 35.3277,
26.4003


204.6514,
225.0001, 201.1452

 20.6989, 23.9154,
16.8949

248.4362,
272.3927, 246.5894

 13.0153, 15.2709,
9.9984

298.0591,
326.0126, 298.4094

 7.5162, 9.0097,
5.2923

353.8853,

 3.8361, 4.7475,

386.2441, 357.0237

2.3581

416.2803,
453.4718, 422.8508

■ 1.6098, 2.0999,
0.7635

■ 0.3988, 0.6646,
0.0000

■ 80.5852, 90.0151,
74.7554

■ 80.5852, 90.0151,
74.7554

■ 75.5041, 87.7304,
59.5209

■ 86.2347, 92.5428,
92.5241

■ 70.9614, 85.6676,
46.6993

■ 91.5514, 94.9443,
108.1085

■ 66.9350, 83.8208,
36.1680

■ 92.8592, 95.6185,
108.1697

■ 63.3981, 82.1793,
27.7916

■ 60.3215, 80.7310,
21.4200

■ 57.6719, 79.4628,
16.8843

■ 55.4112, 78.3591,
13.9875

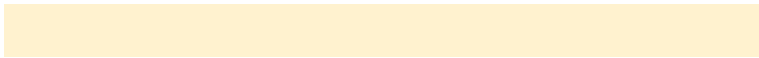
■ 53.4923, 77.4011,
12.4879

■ 52.6140, 76.9564,
12.0810

Harmonies

Analogous

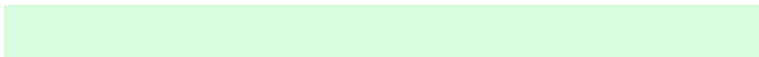
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5968, 90.0151, 71.5787



80.5852, 90.0151, 74.7554



77.0332, 90.0151, 84.0141

Triad

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



80.5852, 90.0151, 74.7554



80.5185, 90.0151, 125.5143



96.1797, 90.0151, 98.1260

Complementary

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



80.5852, 90.0151, 74.7554



70.0599, 68.7404, 98.3874

Split Complementary

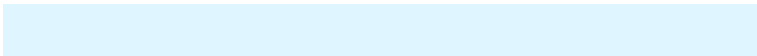
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6867, 90.0151, 113.4824



80.5852, 90.0151, 74.7554



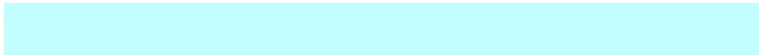
85.5166, 90.0151, 130.2610

Square

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



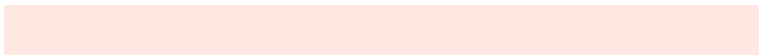
80.5852, 90.0151, 74.7554



76.9958, 90.0151, 113.2632



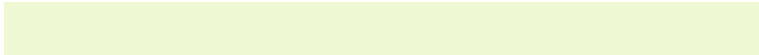
90.7285, 90.0151, 125.6497



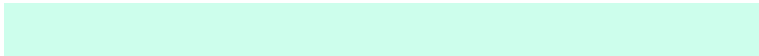
94.7296, 90.0151, 84.1937

Rectangle

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



80.5852, 90.0151, 74.7554



75.8957, 90.0151, 92.9109



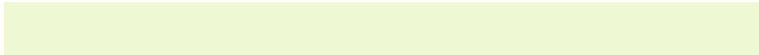
90.7285, 90.0151, 125.6497



96.0046, 90.0151, 103.2947

Sweetspot

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



80.5876, 90.0190, 74.7573



92.4436, 98.8411, 100.4321



76.2937, 76.3049, 72.3366



19.6842, 21.1104, 21.1666



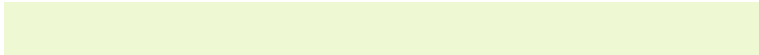
0.0000, 0.0000, 0.0000



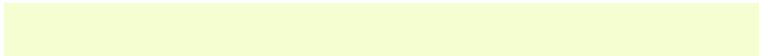
20.3446, 21.4041, 23.3091

Same Dimension

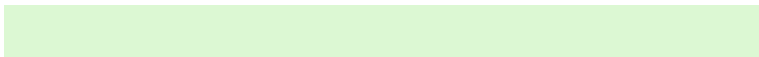
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5876, 90.0190, 74.7573



84.1018, 95.1102, 74.3120



74.7326, 87.0007, 74.4833



18.2428, 19.9410, 18.3499



28.5616, 41.6423, 6.5324



2.7464, 3.9089, 0.6097

Inverse Universe

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



70.0599, 68.7404, 98.3874



70.8494, 68.3224, 104.0611



75.9612, 71.7827, 98.6636



16.7233, 16.8700, 21.7601



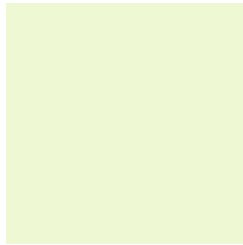
10.5190, 4.3654, 48.2618



1.0708, 0.4541, 4.4744

Previews

White Background



This preview shows how the XYZ color 80.5852, 90.0151, 74.7554 looks on a white background.

Color Contrast Check

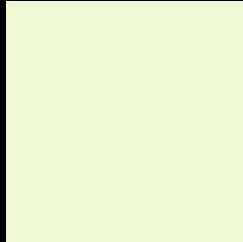
Large Text (above 18pt) WCAG AA × Fail

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 80.5852, 90.0151, 74.7554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

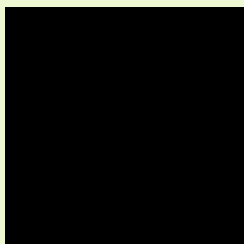
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

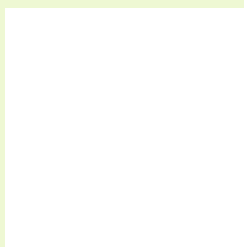
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5852, 90.0151, 74.7554

Background



This preview shows how black text looks on a background with the XYZ color 80.5852, 90.0151, 74.7554.



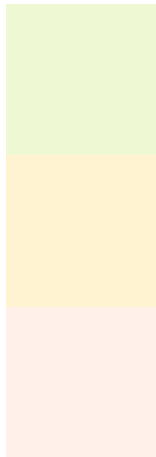
This preview shows how white text looks on a background with the XYZ color 80.5852, 90.0151,

74.7554.

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

80.5852, 90.0151, 74.7554

Protanopia

84.9235, 90.0143, 73.8713

Deuteranopia

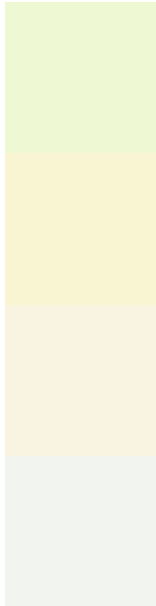
87.5466, 90.1111, 90.6209



Tritanopia

87.4583, 90.1367, 107.3963

Trichromacy



Original Color

80.5852, 90.0151, 74.7554

Protanomaly

83.3522, 90.0977, 73.9702

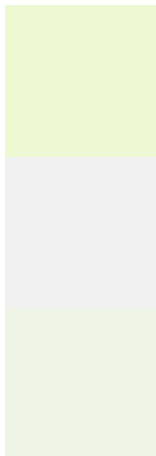
Deuteranomaly

85.1451, 90.3321, 84.8997

Tritanomaly

84.5486, 89.8106, 94.5403

Monochromacy



Original Color

80.5852, 90.0151, 74.7554

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.5688, 88.9398, 87.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5852, 90.0151, 74.7554 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(238, 248, 211)` looks like.

```
.text, #text, p{  
    color:rgb(238, 248, 211)  
}
```

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(238, 248, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 248, 211) }
```

Border

The CSS property to change the border of an element to XYZ 80.5852, 90.0151, 74.7554 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(238, 248, 211) }
```


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

```
.border{ border-color:rgb(238, 248, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 248, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 248, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 248, 211);  
box-shadow:4px 4px 4px 4px rgb(238, 248,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5852, 90.0151, 74.7554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 248, 211) }
```

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

```
.background{ background-color: rgb(238,  
248, 211) }
```

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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