

Converting Colors

XYZ(80.1735, 90.6322, 79.5584)

Have a look what the booklet for
XYZ(80.1735, 90.6322, 79.5584)
contains.

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Color

**XYZ(80.1192, 90.5890,
79.5924)**

Conversions

Conversions Part 1

Format	Color
Hex	E8FADA
RGB	232, 250, 218
RGB Percent	91%, 98%, 85%
CMY	0.0902, 0.0196, 0.1451
CMYK	0.07, 0.00, 0.13, 0.02
HSL	94°, 76%, 92%
HSV	94°, 13%, 98%
XYZ	80.1192, 90.5890, 79.5924
YIQ	240.9700, -0.4560, -13.7680

Conversions

Conversions Part 2

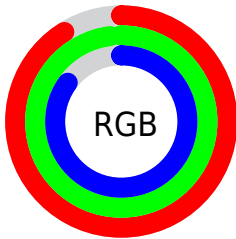
Format	Color
R _Y B	218, 250, 236
Decimal	15268570
CIE Lab	96.24, -11.48, 13.35
CIE LCh	96, 17.608, 130.673
Yxy	90.5890, 0.3201, 0.3619
Android (android.graphics.Color)	4293458650 (0xFFE8FADA)
YUV	240.9700, -11.3242, -7.8667
Hunter-Lab	95.1783, -16.3041, 17.0438

Details

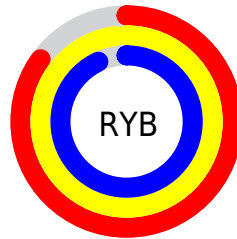
The XYZ color **80.1192, 90.5890, 79.5924** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.9225, 74.8804, 100.8464**, and the grayscale version is **83.6742, 88.0318, 95.8666**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8071, 50.4580, 42.0808** is the 20% darker color. If you saturate the color by 10%, you get **72.7076, 87.1208, 63.4368**, and if you desaturate by 10%, it is **88.3947, 94.4508, 98.3680**.

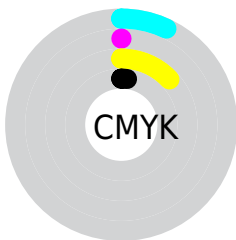
Distribution



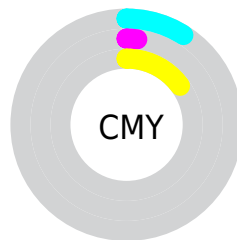
- Red (91%)
- Green (98%)
- Blue (85%)



- Red (85%)
- Yellow (98%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1192, 90.5890, 79.5924 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 80.1192, 90.5890, 79.5924 by changing the saturation by 10% instead.

80.1192, 90.5890,
79.5924

80.1192, 90.5890,
79.5924

484.0649,
529.9450, 513.2286

60.1253, 68.4693,
58.8588

132.4830,
148.1563, 134.5987

43.7694, 50.2796,
42.0802

165.5835,
184.3726, 169.7085

30.6864, 35.6356,
28.8381

203.7835,
226.0566, 210.4475

20.5108, 24.1529,
18.7138

247.4485,
273.5926, 257.2342

12.8773, 15.4471,
11.2890

296.9438,
327.3650, 310.4871

7.4205, 9.1338,
6.1449

352.6347,

3.7751, 4.8285,

387.7583, 370.6248

2.8632

414.8866,
455.1568, 438.0658

■ 1.5757, 2.1470,
1.0252

■ 0.3765, 0.6909,
0.0000

■ 80.1192, 90.5890,
79.5924

■ 80.1192, 90.5890,
79.5924

■ 72.7076, 87.1208,
63.4368

■ 88.3947, 94.4508,
98.3680

■ 66.1220, 84.0213,
49.7789

■ 93.4774, 96.8549,
108.3758

■ 60.3323, 81.2803,
38.4955

■ 55.3036, 78.8829,
29.4506

■ 50.9979, 76.8127,
22.4942

■ 47.3734, 75.0520,
17.4582

■ 44.3829, 73.5805,
14.1485

■ 41.9707, 72.3747,
12.3298

■ 40.5382, 71.6488,
11.6930

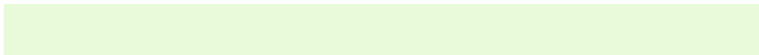
Harmonies

Analogous

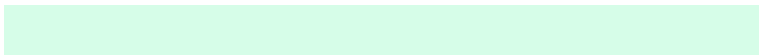
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3727, 90.5890, 74.4729



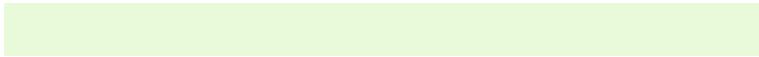
80.1192, 90.5890, 79.5924



77.5320, 90.5890, 89.9909

Triad

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



80.1192, 90.5890, 79.5924



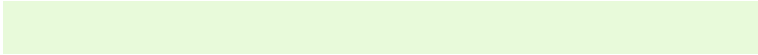
83.0281, 90.5890, 126.2868



95.6750, 90.5890, 93.7331

Complementary

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



80.1192, 90.5890, 79.5924



76.9225, 74.8804, 100.8464

Split Complementary

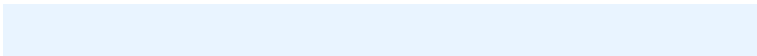
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.2816, 90.5890, 107.8178



80.1192, 90.5890, 79.5924



87.8550, 90.5890, 127.5307

Square

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



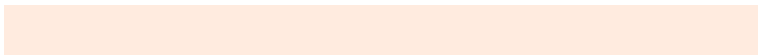
80.1192, 90.5890, 79.5924



79.1669, 90.5890, 117.2448



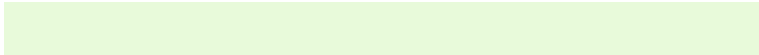
92.3757, 90.5890, 120.4980



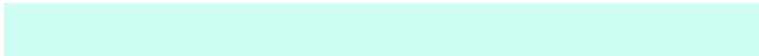
93.4310, 90.5890, 82.1084

Rectangle

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



80.1192, 90.5890, 79.5924



77.0396, 90.5890, 98.9526



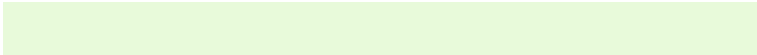
92.3757, 90.5890, 120.4980



95.8489, 90.5890, 98.3201

Sweetspot

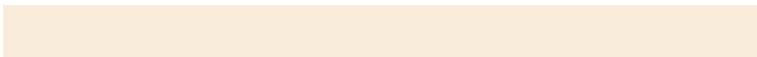
The Sweet Spot groups the original color and five complimentary colors.



80.1217, 90.5929, 79.5944



91.3712, 98.2882, 100.3820



81.9632, 85.1503, 78.4468



19.4127, 20.9704, 21.1539



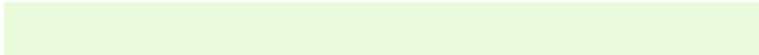
0.0000, 0.0000, 0.0000



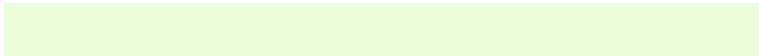
20.3446, 21.4041, 23.3091

Same Dimension

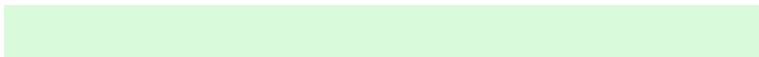
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1217, 90.5929, 79.5944



82.0135, 93.9215, 79.2814



75.9671, 88.4269, 80.4984



17.7378, 19.6806, 18.3262



21.6600, 38.0844, 6.2094



2.1254, 3.5888, 0.5807

Inverse Universe

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



76.9225, 74.8804, 100.8464



78.1487, 74.9406, 104.9538



81.5047, 77.2715, 99.7564



17.2174, 17.1247, 21.7832



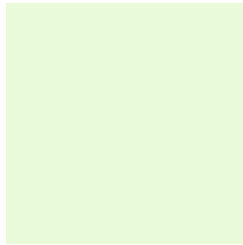
15.1155, 6.7350, 48.4769



1.5217, 0.6865, 4.4955

Previews

White Background



This preview shows how the XYZ color 80.1192, 90.5890, 79.5924 looks on a white background.

Color Contrast Check

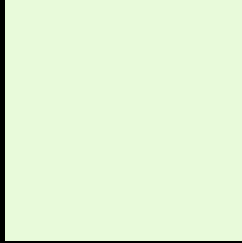
Large Text (above 18pt) WCAG AA × Fail

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 80.1192, 90.5890, 79.5924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

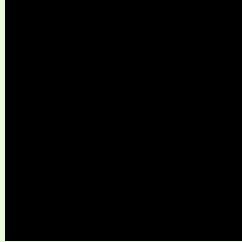
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

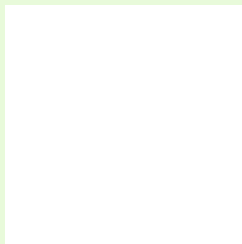
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.1192, 90.5890, 79.5924

Background



This preview shows how black text looks on a background with the XYZ color 80.1192, 90.5890, 79.5924.



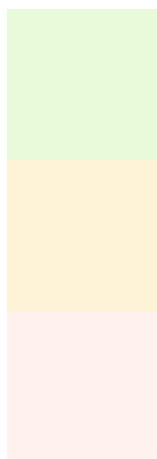
This preview shows how white text looks on a background with the XYZ color 80.1192, 90.5890,

79.5924.

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

80.1192, 90.5890, 79.5924

Protanopia

85.5563, 90.2675, 77.2040

Deuteranopia

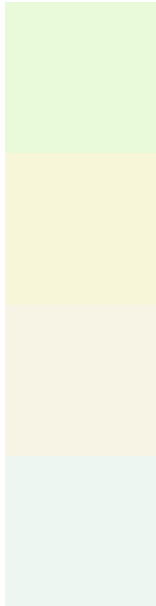
87.9814, 90.2850, 92.9104



Tritanopia

86.6763, 90.6221, 107.5312

Trichromacy



Original Color

80.1192, 90.5890, 79.5924

Protanomaly

83.7082, 90.6436, 78.0498

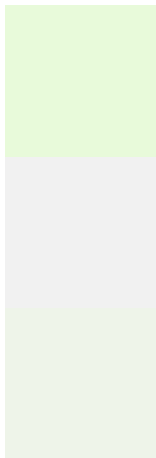
Deuteranomaly

84.9914, 90.1887, 87.7915

Tritanomaly

84.2427, 90.4995, 97.0325

Monochromacy



Original Color

80.1192, 90.5890, 79.5924

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.3186, 88.7617, 89.8849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.1192, 90.5890, 79.5924 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, 250, 218)` looks like.

```
.text, #text, p{  
    color:rgb(232, 250, 218)  
}
```

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, 250, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 250, 218) }
```

Border

The CSS property to change the border of an element to XYZ 80.1192, 90.5890, 79.5924 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, 250, 218) }
```


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

```
.border{ border-color:rgb(232, 250, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 250, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 250, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 250, 218);  
box-shadow:4px 4px 4px 4px rgb(232, 250,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 80.1192, 90.5890, 79.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 250, 218) }
```

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

```
.background{ background-color: rgb(232,  
250, 218) }
```

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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