

Converting Colors

XYZ(80.1463, 89.1712, 85.1677)

Have a look what the booklet for
XYZ(80.1463, 89.1712, 85.1677)
contains.

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Color

**XYZ(79.9432, 89.0014,
84.9170)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F7E2
RGB	231, 247, 226
RGB Percent	91%, 97%, 89%
CMY	0.0941, 0.0314, 0.1137
CMYK	0.06, 0.00, 0.09, 0.03
HSL	106°, 57%, 93%
HSV	106°, 9%, 97%
XYZ	79.9432, 89.0014, 84.9170
YIQ	239.8220, -2.7950, -9.9230

Conversions

Conversions Part 2

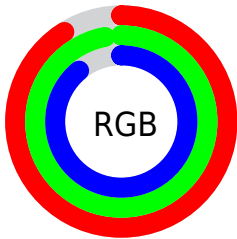
Format	Color
R _Y B	226, 247, 242
Decimal	15202274
CIE Lab	95.58, -8.98, 8.29
CIE LCh	96, 12.218, 137.298
Yxy	89.0014, 0.3149, 0.3506
Android (android.graphics.Color)	4293392354 (0xFFE7F7E2)
YUV	239.8220, -6.8142, -7.7369
Hunter-Lab	94.3406, -13.8369, 12.6708

Details

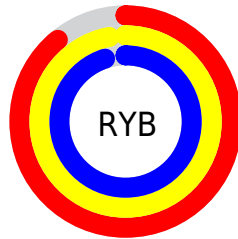
The XYZ color **79.9432, 89.0014, 84.9170** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.6062, 79.9878, 99.1910**, and the grayscale version is **82.7405, 87.0494, 94.7968**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6607, 49.3158, 45.7458** is the 20% darker color. If you saturate the color by 10%, you get **71.0440, 84.7801, 68.0641**, and if you desaturate by 10%, it is **89.9889, 93.7625, 104.3760**.

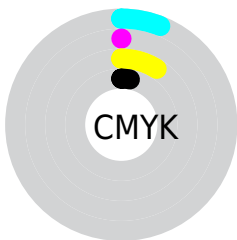
Distribution



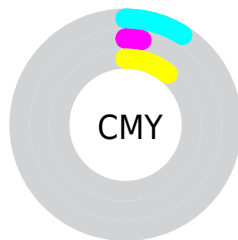
- Red (91%)
- Green (97%)
- Blue (89%)



- Red (89%)
- Yellow (97%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)





- Cyan (9%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.9432, 89.0014, 84.9170 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 79.9432, 89.0014, 84.9170 by changing the saturation by 10% instead.


 79.9432, 89.0014,
84.9170

 79.9432, 89.0014,
84.9170


483.4808,
524.7771, 531.4908

 59.9799, 67.1527,
63.2230


132.2368,
145.9505, 142.1303

 43.6518, 49.2087,
45.5795


165.2979,
181.8197, 178.4868

 30.5936, 34.7851,
31.5679


203.4555,
223.1312, 220.5679

 20.4399, 23.4974,
20.7696

247.0752,
270.2694, 268.7920

 12.8253, 14.9612,
12.7661

296.5222,
323.6187, 323.5779

 7.3846, 8.7922,
7.1388

352.1619,

 3.7522, 4.6059,

383.5635, 385.3439

3.4693

414.3597,
450.4882, 454.5087

■ 1.5629, 2.0179,
1.3390

■ 0.3681, 0.6179,
0.0934

■ 79.9432, 89.0014,
84.9170

■ 79.9432, 89.0014,
84.9170

■ 71.0440, 84.7801,
68.0641

■ 89.9889, 93.7625,
104.3760

■ 63.2426, 81.0681,
53.7011

■ 92.5525, 95.0050,
108.0675

■ 56.4975, 77.8493,
41.7116

■ 50.7619, 75.1022,
31.9677

■ 45.9851, 72.8038,
24.3294

■ 42.1119, 70.9290,
18.6410

■ 39.0808, 69.4499,
14.7254

■ 36.8218, 68.3351,
12.3730

■ 35.2451, 67.5447,
11.2860

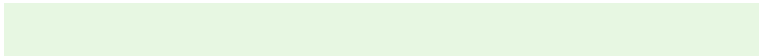
Harmonies

Analogous

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



82.6907, 89.0014, 80.3260



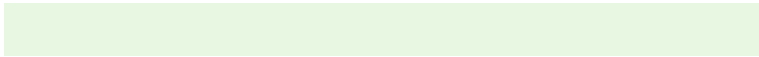
79.9432, 89.0014, 84.9170



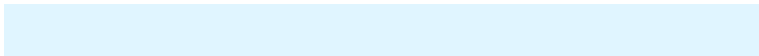
78.4585, 89.0014, 92.9039

Triad

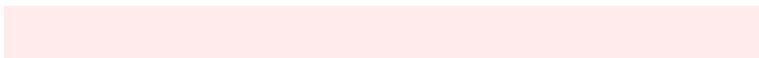
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9432, 89.0014, 84.9170



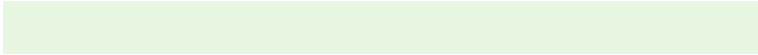
83.1835, 89.0014, 116.0584



90.8991, 89.0014, 91.5204

Complementary

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



79.9432, 89.0014, 84.9170



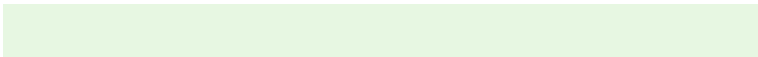
80.6062, 79.9878, 99.1910

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.



91.0396, 89.0014, 101.0243



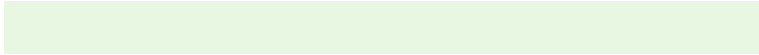
79.9432, 89.0014, 84.9170



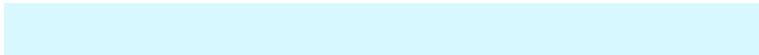
86.5246, 89.0014, 115.6268

Square

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



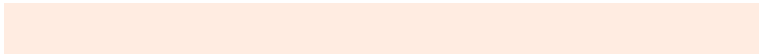
79.9432, 89.0014, 84.9170



80.2957, 89.0014, 111.1194



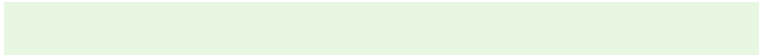
89.4200, 89.0014, 109.9765



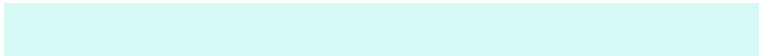
89.0412, 89.0014, 83.9620

Rectangle

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



79.9432, 89.0014, 84.9170



78.3581, 89.0014, 99.2717



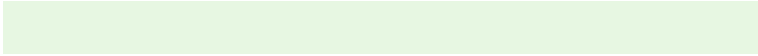
89.4200, 89.0014, 109.9765



91.1505, 89.0014, 94.5809

Sweetspot

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



79.9457, 89.0052, 84.9189



91.7305, 98.4282, 102.4430



83.7666, 88.6246, 84.6441



19.4483, 20.9797, 21.5670



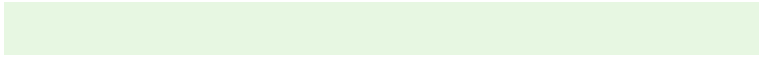
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



79.9457, 89.0052, 84.9189



84.4222, 94.9644, 88.3757



79.0866, 88.4778, 88.6982



16.6515, 18.6624, 17.5221



18.6426, 35.7234, 5.9127



1.7265, 3.1851, 0.5238

Inverse Universe

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



80.6062, 79.9878, 99.1910



85.2499, 83.6626, 106.2631



81.5468, 80.5649, 95.0640



16.8056, 16.5579, 20.8528



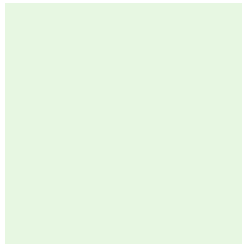
20.0068, 9.2882, 47.2764



1.8489, 0.8630, 4.1594

Previews

White Background



This preview shows how the XYZ color 79.9432, 89.0014, 84.9170 looks on a white background.

Color Contrast Check

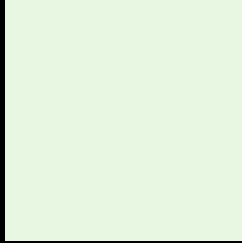
Large Text (above 18pt) WCAG AA × Fail

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 79.9432, 89.0014, 84.9170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

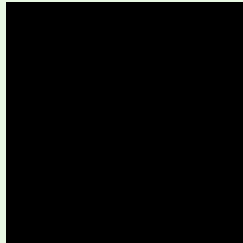
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

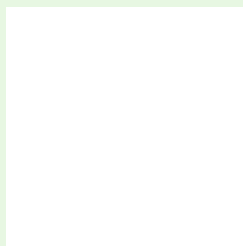
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9432, 89.0014, 84.9170

Background



This preview shows how black text looks on a background with the XYZ color 79.9432, 89.0014, 84.9170.



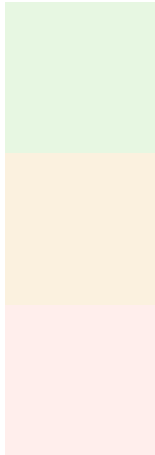
This preview shows how white text looks on a background with the XYZ color 79.9432, 89.0014,

84.9170.

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

79.9432, 89.0014, 84.9170

Protanopia

84.5582, 88.7475, 82.4853

Deuteranopia

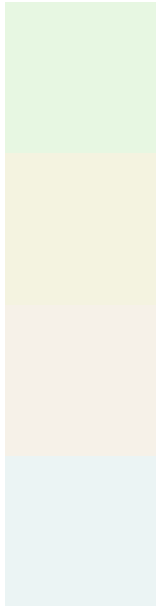
86.9549, 88.4652, 91.8494



Tritanopia

85.0620, 88.9014, 107.2842

Trichromacy



Original Color

79.9432, 89.0014, 84.9170

Protanomaly

82.8134, 88.7161, 83.2802

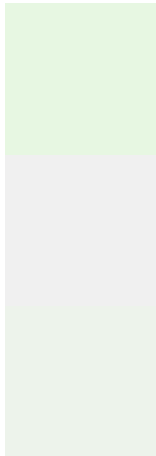
Deuteranomaly

84.0268, 88.3296, 88.9646

Tritanomaly

82.9408, 88.8952, 98.3750

Monochromacy



Original Color

79.9432, 89.0014, 84.9170

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.9710, 88.1039, 91.2827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9432, 89.0014, 84.9170 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, 247, 226) looks like.

```
.text, #text, p{  
    color:rgb(231, 247, 226)  
}
```

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, 247, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 247, 226) }
```

Border

The CSS property to change the border of an element to XYZ 79.9432, 89.0014, 84.9170 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, 247, 226) }
```


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

```
.border{ border-color:rgb(231, 247, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 247, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 247, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 247, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 247,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9432, 89.0014, 84.9170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 247, 226) }
```

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

```
.background{ background-color: rgb(231,  
247, 226) }
```

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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