

Converting Colors

XYZ(84.1196, 94.9402, 82.4110)

Have a look what the booklet for
XYZ(84.1196, 94.9402, 82.4110)
contains.

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Color

**XYZ(84.0710, 94.9176,
82.2965)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFFDD
RGB	238, 255, 221
RGB Percent	93%, 100%, 87%
CMY	0.0667, 0.0000, 0.1333
CMYK	0.07, 0.00, 0.13, 0.00
HSL	90°, 100%, 93%
HSV	90°, 13%, 100%
XYZ	84.0710, 94.9176, 82.2965
YIQ	246.0410, 0.7820, -14.1780

Conversions

Conversions Part 2

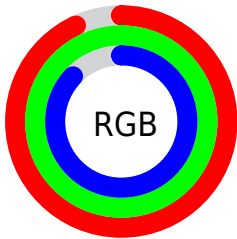
Format	Color
R _{YB}	221, 255, 238
Decimal	15663069
CIE _{Lab}	98.00, -11.42, 14.37
CIE _{LCh}	98, 18.357, 128.473
Y _{xy}	94.9176, 0.3218, 0.3633
Android (android.graphics.Color)	4293853149 (0xFFEEFFDD)
YUV	246.0410, -12.3452, -7.0520
Hunter-Lab	97.4257, -16.4629, 18.1151

Details

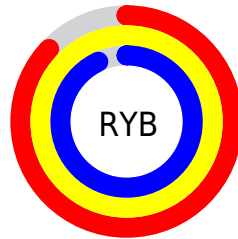
The XYZ color **84.0710, 94.9176, 82.2965** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **79.1672, 77.1112, 105.3191**, and the grayscale version is **87.7262, 92.2948, 100.5090**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3684, 53.0864, 43.8792** is the 20% darker color. If you saturate the color by 10%, you get **76.7969, 91.5308, 65.5474**, and if you desaturate by 10%, it is **92.1657, 98.6677, 101.7804**.

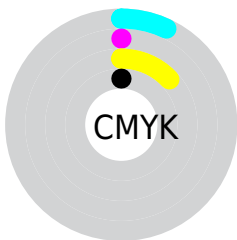
Distribution



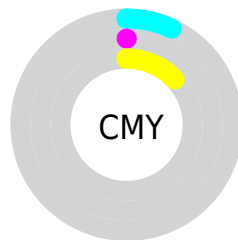
- Red (93%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (93%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0710, 94.9176, 82.2965 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 84.0710, 94.9176, 82.2965 by changing the saturation by 10% instead.


 84.0710, 94.9176,
82.2965

 84.0710, 94.9176,
82.2965


497.0791,
543.9012, 522.5484

 63.3940, 72.0664,
61.0727


137.9952,
154.1508, 138.4301

 46.4198, 53.2129,
43.8529


171.9731,
191.3015, 174.1771

 32.7833, 37.9728,
30.2186


211.1154,
233.9876, 215.6021

 22.1189, 25.9616,
19.7511

255.7873,
282.5933, 263.1239

 14.0614, 16.7949,
12.0320

306.3543,
337.5031, 317.1608

 8.2454, 10.0884,
6.6426

363.1817,

 4.3055, 5.4576,

399.1015, 378.1315

3.1646

426.6348,
467.7727, 446.4545

■ 1.8764, 2.5182,
1.1793

■ 0.5630, 0.8857,
0.0000

■ 84.0710, 94.9176,
82.2965

■ 84.0710, 94.9176,
82.2965

■ 76.7969, 91.5308,
65.5474

■ 92.1657, 98.6677,
101.7804

■ 70.3120, 88.4940,
51.4064

95.0500, 100.0000,
108.9000

■ 64.5855, 85.7941,
39.7431

■ 59.5837, 83.4169,
30.4141

■ 55.2697, 81.3468,
23.2614

■ 51.6026, 79.5666,
18.1073

■ 48.5361, 78.0570,
14.7463

■ 46.0148, 76.7948,
12.9281

■ 44.5871, 76.0706,
12.3331

Harmonies

Analogous

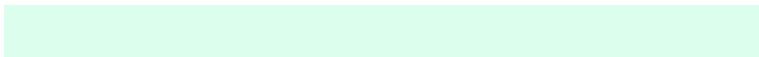
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7347, 94.9176, 77.2730



84.0710, 94.9176, 82.2965



81.1339, 94.9176, 93.0841

Triad

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



84.0710, 94.9176, 82.2965



86.5570, 94.9176, 132.6937



100.5907, 94.9176, 99.1408

Complementary

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



84.0710, 94.9176, 82.2965



79.1672, 77.1112, 105.3191

Split Complementary

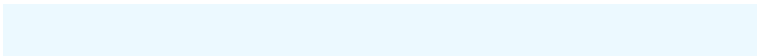
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.9524, 94.9176, 114.3424



84.0710, 94.9176, 82.2965



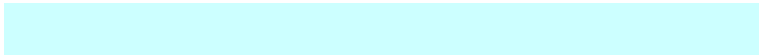
91.7144, 94.9176, 134.7164

Square

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



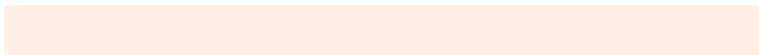
84.0710, 94.9176, 82.2965



82.5299, 94.9176, 122.4314



96.6541, 94.9176, 127.7169



98.3657, 94.9176, 86.3604

Rectangle

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



84.0710, 94.9176, 82.2965



80.4820, 94.9176, 102.5797



96.6541, 94.9176, 127.7169



100.7056, 94.9176, 104.1224

Sweetspot

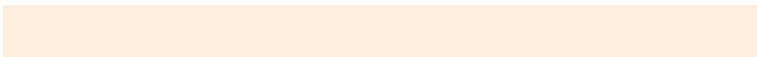
The Sweet Spot groups the original color and five complimentary colors.



84.0717, 94.9179, 82.2979



91.5994, 98.4059, 100.3926



84.7015, 87.3008, 80.7945



19.4704, 21.0002, 21.1566



0.0000, 0.0000, 0.0000



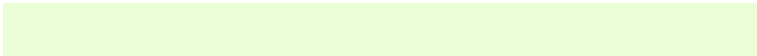
20.3446, 21.4041, 23.3091

Same Dimension

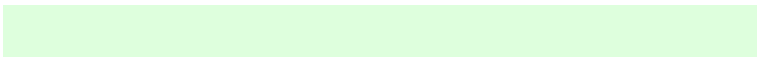
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0717, 94.9179, 82.2979



82.0522, 93.9794, 77.5676



78.8036, 92.2021, 82.0514



18.6369, 20.6143, 19.1410



23.4699, 39.8373, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



79.1672, 77.1112, 105.3191



76.2762, 73.0086, 104.6796



84.9388, 80.0866, 105.5892



17.8684, 17.8239, 22.7485



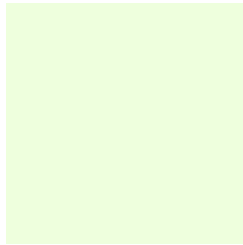
14.2160, 6.2391, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 84.0710, 94.9176, 82.2965 looks on a white background.

Color Contrast Check

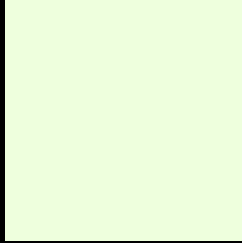
Large Text (above 18pt) WCAG AA × Fail

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 84.0710, 94.9176, 82.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

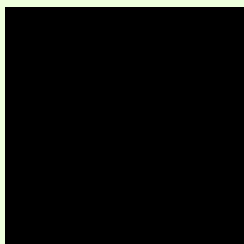
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

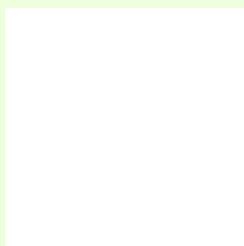
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0710, 94.9176, 82.2965

Background



This preview shows how black text looks on a background with the XYZ color 84.0710, 94.9176, 82.2965.



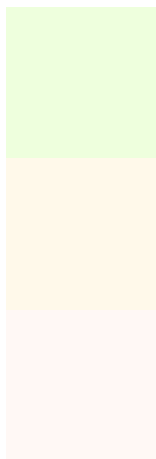
This preview shows how white text looks on a background with the XYZ color 84.0710, 94.9176,

82.2965.

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

84.0710, 94.9176, 82.2965

Protanopia

89.9670, 94.9519, 91.4277

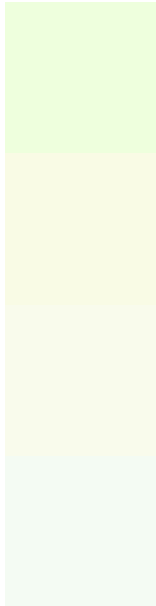
Deuteranopia

91.2888, 94.9874, 99.9092

Tritanopia

90.6371, 94.9278, 108.1536

Trichromacy



Original Color

84.0710, 94.9176, 82.2965

Protanomaly

87.7070, 94.7912, 87.8026

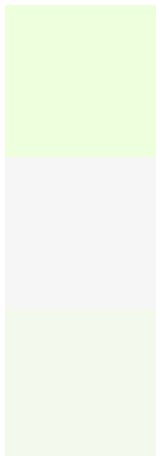
Deuteranomaly

88.7044, 95.1902, 93.0552

Tritanomaly

87.9831, 94.6985, 98.4355

Monochromacy



Original Color

84.0710, 94.9176, 82.2965

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.1239, 92.9205, 93.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0710, 94.9176, 82.2965 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, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 221)  
}
```

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, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 84.0710, 94.9176, 82.2965 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, 255, 221) }
```


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

```
.border{ border-color:rgb(238, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0710, 94.9176, 82.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 221) }
```

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

```
.background{ background-color: rgb(238,  
255, 221) }
```

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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