

Converting Colors

XYZ(82.1558, 86.9528, 91.8126)

Have a look what the booklet for
XYZ(82.1558, 86.9528, 91.8126)
contains.

XYZ(82.2356, 86.9016, 91.7963)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(82.2356, 86.9016,
91.7963)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F0EC
RGB	240, 240, 236
RGB Percent	94%, 94%, 93%
CMY	0.0588, 0.0588, 0.0745
CMYK	0.00, 0.00, 0.02, 0.06
HSL	60°, 12%, 93%
HSV	60°, 2%, 94%
XYZ	82.2356, 86.9016, 91.7963
YIQ	239.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

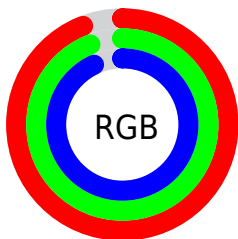
Format	Color
R _Y B	236, 240, 236
Decimal	15790316
CIE Lab	94.70, -0.70, 1.92
CIE LCh	95, 2.041, 109.983
Yxy	86.9016, 0.3152, 0.3330
Android (android.graphics.Color)	4293980396 (0xFFFF0F0EC)
YUV	239.5440, -1.7472, 0.3999
Hunter-Lab	93.2210, -5.6717, 6.8709

Details

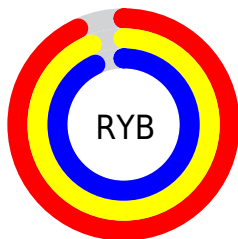
The XYZ color **82.2356, 86.9016, 91.7963** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.3191, 84.1174, 94.4456**, and the grayscale version is **82.4827, 86.7782, 94.5015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1459, 47.7666, 50.0205** is the 20% darker color. If you saturate the color by 10%, you get **78.9724, 85.5981, 74.6479**, and if you desaturate by 10%, it is **85.1563, 88.0737, 107.1194**.

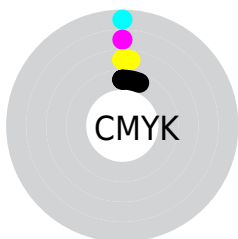
Distribution



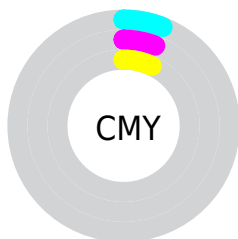
- Red (94%)
- Green (94%)
- Blue (93%)



- Red (93%)
- Yellow (94%)
- Blue (93%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2356, 86.9016, 91.7963 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 82.2356, 86.9016, 91.7963 by changing the saturation by 10% instead.

82.2356, 86.9016,
91.7963

82.2356, 86.9016,
91.7963

491.0580,
517.8995, 554.5771

61.8745, 65.4138,
68.8894

135.4384,
143.0270, 151.7883

45.1865, 47.7967,
50.1504

169.0109,
178.4333, 189.7104

31.8063, 33.6659,
35.1609

207.7179,
219.2480, 233.4747

21.3684, 22.6371,
23.5023

251.9248,
265.8553, 283.4996

13.5076, 14.3257,
14.7561

301.9968,
318.6397, 340.2038

7.8584, 8.3476,
8.5037

358.2995,

4.0555, 4.3181,

377.9856, 404.0058

4.3265

421.1981,
444.2774, 475.3240

■ 1.7336, 1.8531,
1.8061

■ 0.4771, 0.5199,
0.4320

■ 82.2356, 86.9016,
91.7963

■ 82.2356, 86.9016,
91.7963

■ 78.9724, 85.5981,
74.6479

■ 85.1563, 88.0737,
107.1194

■ 76.1569, 84.4708,
59.8679


■ 85.1652, 88.0783,
107.1199


■ 73.7717, 83.5158,
47.3539


■ 85.1741, 88.0828,
107.1203

■ 71.7956, 82.7243,
36.9941


■ 85.1829, 88.0874,
107.1207

 70.2055, 82.0872,
28.6668


 85.1918, 88.0920,
107.1211

 68.9760, 81.5944,
22.2387


 85.2007, 88.0965,
107.1215

 68.0788, 81.2345,
17.5602

 85.2095, 88.1011,
107.1219

 67.4812, 80.9944,
14.4594

 85.2184, 88.1057,
107.1223

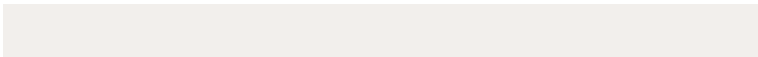
 67.1440, 80.8585,
12.7300

 85.2273, 88.1103,
107.1228

Harmonies

Analogous

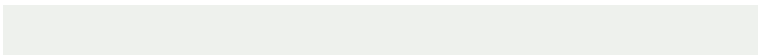
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7819, 86.9016, 91.6626



82.2356, 86.9016, 91.7963



81.7881, 86.9016, 92.6822

Triad

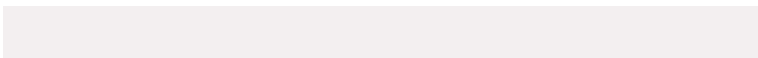
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.2356, 86.9016, 91.7963



81.9176, 86.9016, 96.9654



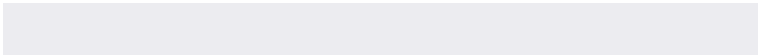
83.6457, 86.9016, 95.1502

Complementary

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



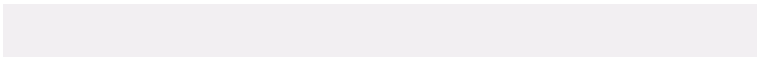
82.2356, 86.9016, 91.7963



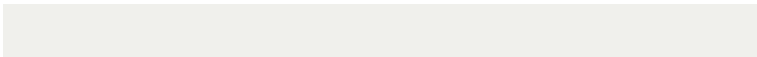
80.3191, 84.1174, 94.4456

Split Complementary

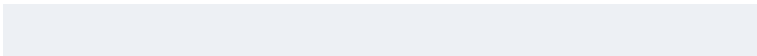
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4119, 86.9016, 96.5868



82.2356, 86.9016, 91.7963



82.4131, 86.9016, 97.6425

Square

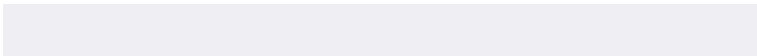
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2356, 86.9016, 91.7963



81.6051, 86.9016, 95.6624



82.9602, 86.9016, 97.5032



83.5977, 86.9016, 93.5873

Rectangle

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



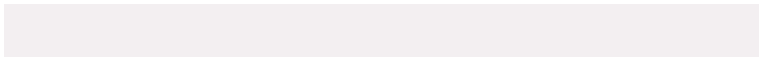
82.2356, 86.9016, 91.7963



81.6053, 86.9016, 93.5856



82.9602, 86.9016, 97.5032



83.5975, 86.9016, 95.6641

Sweetspot

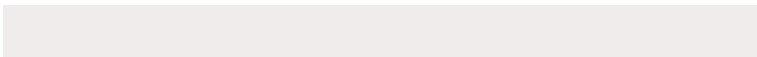
The Sweet Spot groups the original color and five complimentary colors.



82.2380, 86.9053, 91.7982



94.6411, 99.8363, 106.7520



81.0737, 84.5744, 91.4096



20.2614, 21.3708, 22.8720



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

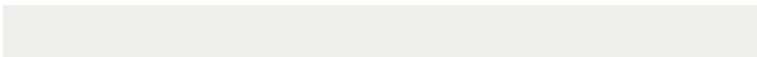
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2380, 86.9053, 91.7982



94.2376, 99.6748, 104.6326



81.5635, 86.5576, 91.7666



17.6606, 18.6741, 19.6433



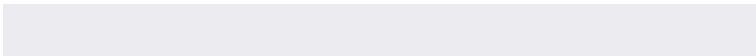
36.6813, 44.2315, 6.6042



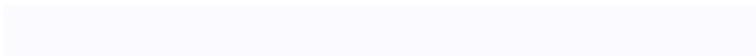
3.0521, 3.6799, 0.5494

Inverse Universe

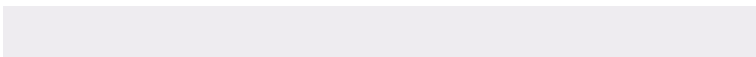
The Inverse Universe completely reimagines the original color for something new.



80.3191, 84.1174, 94.4456



91.5950, 95.8356, 108.2783



80.9861, 84.4613, 94.4768



17.1928, 17.9944, 20.2887



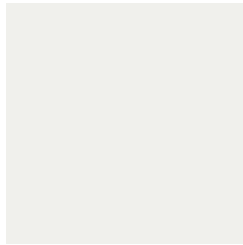
8.6123, 3.4452, 45.3389



0.7170, 0.2869, 3.7718

Previews

White Background



This preview shows how the XYZ color 82.2356, 86.9016, 91.7963 looks on a white background.

Color Contrast Check

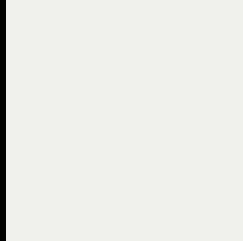
Large Text (above 18pt) WCAG AA × Fail

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 82.2356, 86.9016, 91.7963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

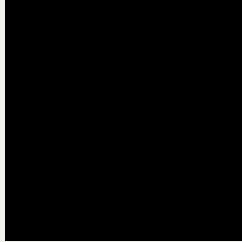
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

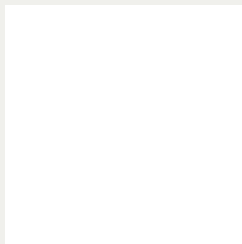
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.2356, 86.9016, 91.7963

Background



This preview shows how black text looks on a background with the XYZ color 82.2356, 86.9016, 91.7963.



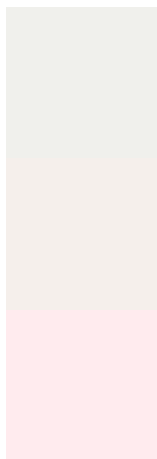
This preview shows how white text looks on a background with the XYZ color 82.2356, 86.9016,

91.7963.

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

82.2356, 86.9016, 91.7963

Protanopia

83.5181, 87.1436, 91.0158

Deuteranopia

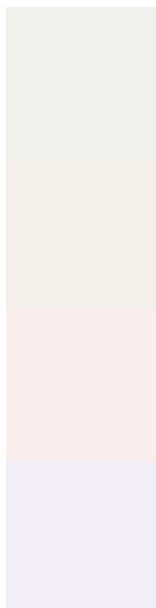
86.3809, 86.8497, 93.0998



Tritanopia

85.2963, 86.8431, 106.8745

Trichromacy



Original Color

82.2356, 86.9016, 91.7963

Protanomaly

82.8240, 86.7858, 90.9833

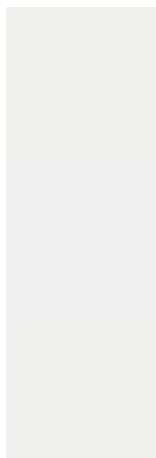
Deuteranomaly

84.9946, 87.0068, 92.4351

Tritanomaly

84.1358, 86.8036, 101.1273

Monochromacy



Original Color

82.2356, 86.9016, 91.7963

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.6753, 87.0774, 94.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.2356, 86.9016, 91.7963 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(240, 240, 236) looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 236)  
}
```

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(240, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 236) }
```

Border

The CSS property to change the border of an element to XYZ 82.2356, 86.9016, 91.7963 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(240, 240, 236) }
```


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

```
.border{ border-color:rgb(240, 240, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 82.2356, 86.9016, 91.7963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 236) }
```

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

```
.background{ background-color: rgb(240,  
240, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor