

Converting Colors

XYZ(81.0721, 84.5758, 91.4184)

Have a look what the booklet for
XYZ(81.0721, 84.5758, 91.4184)
contains.

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Color

**XYZ(81.0710, 84.5723,
91.4081)**

Conversions

Conversions Part 1

Format	Color
Hex	F0ECEC
RGB	240, 236, 236
RGB Percent	94%, 93%, 93%
CMY	0.0588, 0.0745, 0.0745
CMYK	0.00, 0.02, 0.02, 0.06
HSL	0°, 12%, 93%
HSV	0°, 2%, 94%
XYZ	81.0710, 84.5723, 91.4081
YIQ	237.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

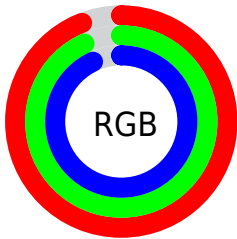
Format	Color
R _Y B	240, 236, 236
Decimal	15789292
CIE Lab	93.70, 1.34, 0.46
CIE LCh	94, 1.422, 19.060
Yxy	84.5723, 0.3154, 0.3290
Android (android.graphics.Color)	4293979372 (0xFFFF0ECEC)
YUV	237.1960, -0.5896, 2.4591
Hunter-Lab	91.9632, -3.5773, 5.4421

Details

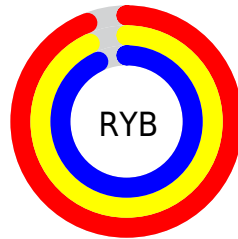
The XYZ color **81.0710, 84.5723, 91.4081** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.4805, 86.4433, 94.8301**, and the grayscale version is **80.6524, 84.8526, 92.4045**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3266, 46.1282, 49.7474** is the 20% darker color. If you saturate the color by 10%, you get **71.3704, 70.3807, 72.1116**, and if you desaturate by 10%, it is **89.7457, 97.2656, 108.6518**.

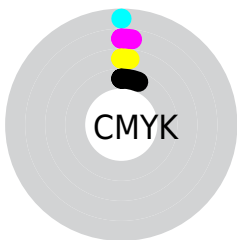
Distribution



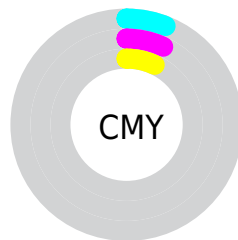
- Red (94%)
- Green (93%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0710, 84.5723, 91.4081 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 81.0710, 84.5723, 91.4081 by changing the saturation by 10% instead.

81.0710, 84.5723,
91.4081

81.0710, 84.5723,
91.4081

487.2166,
510.2118, 553.2886

60.9116, 63.4880,
68.5688

133.8131,
139.7755, 151.2453

44.4061, 46.2361,
49.8911

167.1265,
174.6632, 189.0804

31.1892, 32.4322,
34.9563

205.5552,
214.9208, 232.7511

20.8955, 21.6918,
23.3459

249.4646,
260.9327, 282.6760

13.1596, 13.6306,
14.6414

299.2201,
313.0834, 339.2737

7.6163, 7.8642,
8.4243

355.1871,

3.9002, 4.0082,

371.7572, 402.9627

4.2760

417.7308,
437.3385, 474.1615

■ 1.6458, 1.6781,
1.7779

■ 0.4220, 0.4094,
0.4133

■ 81.0710, 84.5723,
91.4081

■ 81.0710, 84.5723,
91.4081

■ 71.3704, 70.3807,
72.1116

■ 89.7457, 97.2656,
108.6518

■ 63.0075, 58.1455,
55.4801

■ 55.9259, 47.7843,
41.3982

■ 50.0622, 39.2045,
29.7400

■ 45.3479, 32.3059,
20.3688

■ 41.7075, 26.9782,
13.1345

■ 39.0566, 23.0979,
7.8688

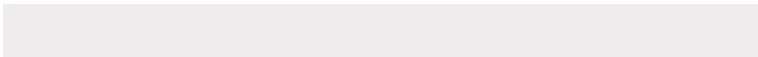
■ 37.2983, 20.5233,
4.3785

■ 36.3160, 19.0841,
2.4314

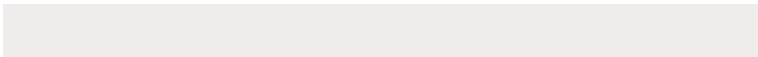
Harmonies

Analogous

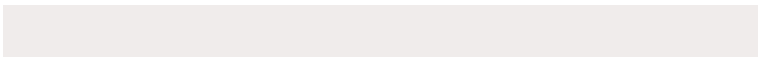
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0977, 84.5723, 92.4797



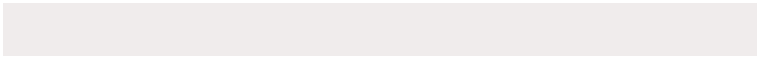
81.0710, 84.5723, 91.4081



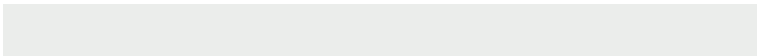
80.8597, 84.5723, 90.5244

Triad

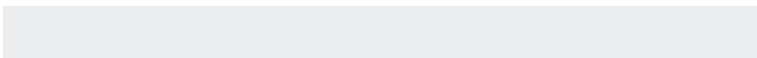
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0710, 84.5723, 91.4081



79.8367, 84.5723, 90.7303



80.2459, 84.5723, 94.1396

Complementary

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



81.0710, 84.5723, 91.4081



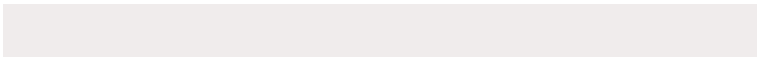
81.4805, 86.4433, 94.8301

Split Complementary

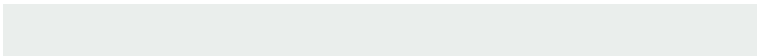
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9091, 84.5723, 93.6631



81.0710, 84.5723, 91.4081



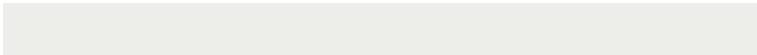
79.6733, 84.5723, 91.6912

Square

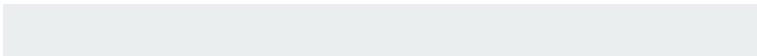
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



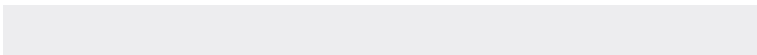
81.0710, 84.5723, 91.4081



80.1468, 84.5723, 90.1352



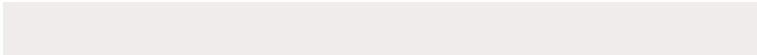
79.6998, 84.5723, 92.7649



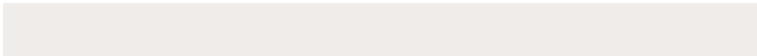
80.6206, 84.5723, 94.0624

Rectangle

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



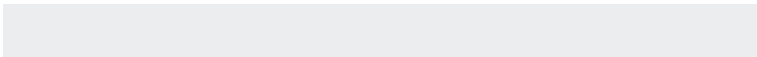
81.0710, 84.5723, 91.4081



80.6430, 84.5723, 90.1582



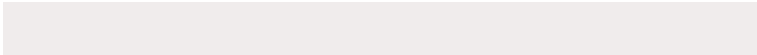
79.6998, 84.5723, 92.7649



80.1245, 84.5723, 94.0388

Sweetspot

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



81.0734, 84.5759, 91.4099

95.0500, 100.0000, 108.9000



81.6601, 84.8088, 94.5051



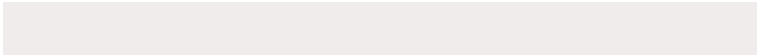
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

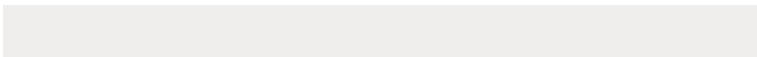
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0734, 84.5759, 91.4099



92.6358, 96.4681, 104.0981



81.6513, 85.7318, 91.6026



17.3770, 18.1063, 19.5486



19.6734, 10.1450, 0.9213



1.6371, 0.8448, 0.0768

Inverse Universe

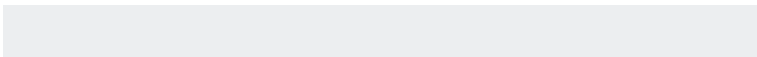
The Inverse Universe completely reimagines the original color for something new.



81.4805, 86.4433, 94.8301



93.1969, 99.0423, 108.8128



80.8961, 85.2746, 94.6353



17.4764, 18.5621, 20.3833



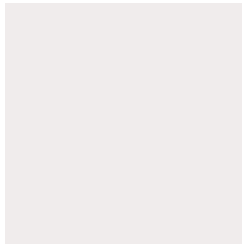
25.6296, 37.4835, 51.0121



2.1326, 3.1191, 4.2439

Previews

White Background



This preview shows how the XYZ color 81.0710, 84.5723, 91.4081 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 81.0710, 84.5723, 91.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

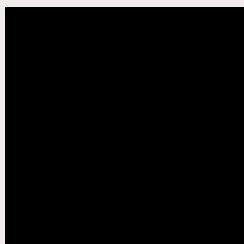
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

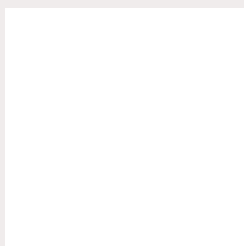
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0710, 84.5723, 91.4081

Background



This preview shows how black text looks on a background with the XYZ color 81.0710, 84.5723, 91.4081.



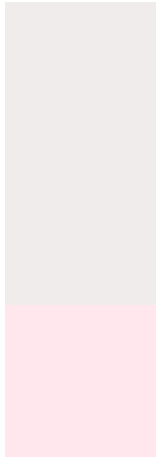
This preview shows how white text looks on a background with the XYZ color 81.0710, 84.5723,

91.4081.

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

81.0710, 84.5723, 91.4081

Protanopia

81.4114, 84.7478, 91.4240

Deuteranopia

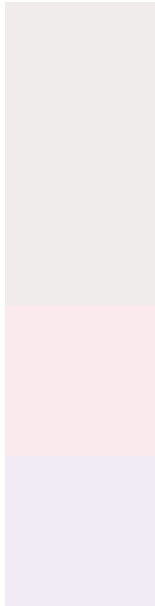
85.1020, 84.5263, 91.9506



Tritanopia

83.6115, 84.7512, 104.0473

Trichromacy



Original Color

81.0710, 84.5723, 91.4081

Protanomaly

81.4114, 84.7478, 91.4240

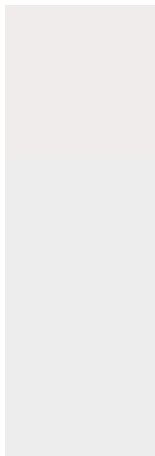
Deuteranomaly

83.8493, 84.7162, 92.0533

Tritanomaly

82.6185, 84.7713, 99.1968

Monochromacy



Original Color

81.0710, 84.5723, 91.4081

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.8301, 84.8599, 92.2402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0710, 84.5723, 91.4081 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, 236, 236) looks like.

```
.text, #text, p{  
    color:rgb(240, 236, 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, 236, 236) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 81.0710, 84.5723, 91.4081 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, 236, 236) }
```

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

```
.border{ border-color:rgb(240, 236, 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, 236, 236) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 81.0710, 84.5723, 91.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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