

Converting Colors

XYZ(78.8131, 85.8286, 74.1525)

Have a look what the booklet for XYZ(78.8131, 85.8286, 74.1525) contains.

XYZ(78.8098, 85.9645, 74.0671) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(78.8098, 85.9645,
74.0671)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF1D3
RGB	239, 241, 211
RGB Percent	94%, 95%, 83%
CMY	0.0627, 0.0549, 0.1725
CMYK	0.01, 0.00, 0.12, 0.05
HSL	64°, 52%, 89%
HSV	64°, 12%, 95%
XYZ	78.8098, 85.9645, 74.0671
YIQ	236.9820, 8.4380, -9.7540

Conversions

Conversions Part 2

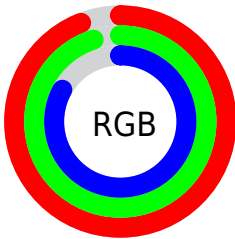
Format	Color
R_{YB}	211, 241, 213
Decimal	15725011
CIE _{Lab}	94.30, -5.69, 14.27
CIE _{LCh}	94, 15.364, 111.722
Yxy	85.9645, 0.3300, 0.3599
Android (android.graphics.Color)	4293915091 (0xFFEFF1D3)
YUV	236.9820, -12.8091, 1.7698
Hunter-Lab	92.7170, -10.5292, 17.5381

Details

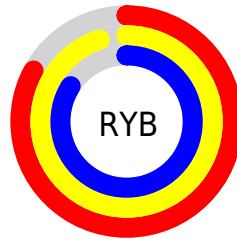
The XYZ color **78.8098, 85.9645, 74.0671** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.6154, 67.0879, 92.6620**, and the grayscale version is **80.5754, 84.7716, 92.3163**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8782, 47.1655, 38.2964** is the 20% darker color. If you saturate the color by 10%, you get **75.4717, 84.5696, 59.3041**, and if you desaturate by 10%, it is **82.6104, 87.5507, 91.2198**.

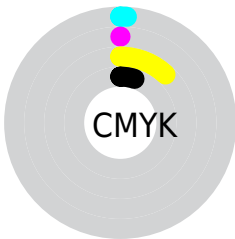
Distribution



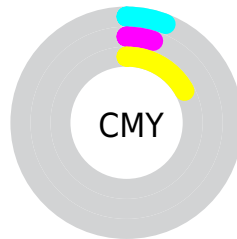
- Red (94%)
- Green (95%)
- Blue (83%)



- Red (83%)
- Yellow (95%)
- Blue (84%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (6%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8098, 85.9645, 74.0671 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 78.8098, 85.9645, 74.0671 by changing the saturation by 10% instead.


 78.8098, 85.9645,
74.0671

 78.8098, 85.9645,
74.0671


479.7105,
514.8141, 493.8745

 59.0445, 64.6386,
54.3518


130.6504,
141.7199, 126.7258

 42.8955, 47.1681,
38.4879


163.4564,
176.9183, 160.5064

 29.9973, 33.1686,
26.0568

201.3401,
217.5096, 199.8125

 19.9846, 22.2556,
16.6400

244.6668,
263.8783, 245.0626

 12.4920, 14.0448,
9.8189

293.8018,
316.4086, 296.6753

 7.1543, 8.1519,
5.1750

349.1105,

 3.6060, 4.1923,

375.4851, 355.0692

2.2898

410.9583,
441.4922, 420.6628

■ 1.4817, 1.7817,
0.7255

■ 0.3133, 0.4757,
0.0000

■ 78.8098, 85.9645,
74.0671

■ 78.8098, 85.9645,
74.0671

■ 75.4717, 84.5696,
59.3041

■ 82.6104, 87.5507,
91.2198

■ 72.5692, 83.3466,
46.8195


■ 86.2012, 89.0507,
107.2529

■ 70.0828, 82.2906,
36.5013


■ 86.7572, 89.3373,
107.2790


■ 67.9891, 81.3923,
28.2260


■ 87.3180, 89.6264,
107.3052


 66.2623, 80.6412,
21.8575


 87.8836, 89.9180,
107.3317


 64.8734, 80.0259,
17.2434


 88.4542, 90.2121,
107.3584


 63.7889, 79.5329,
14.2079

 89.0298, 90.5088,
107.3853

 62.9687, 79.1462,
12.5387

 89.6102, 90.8081,
107.4125

 62.4776, 78.9058,
11.9374

 90.1956, 91.1098,
107.4399

Harmonies

Analogous

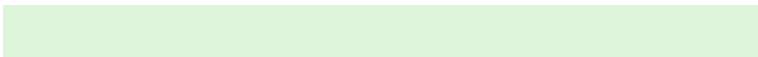
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8525, 85.9645, 72.8973



78.8098, 85.9645, 74.0671



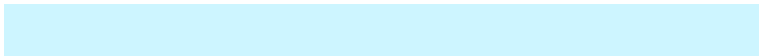
75.6445, 85.9645, 80.2383

Triad

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



78.8098, 85.9645, 74.0671



76.8970, 85.9645, 112.5637



89.7991, 85.9645, 96.9053

Complementary

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



78.8098, 85.9645, 74.0671



66.6154, 67.0879, 92.6620

Split Complementary

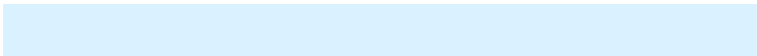
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0843, 85.9645, 108.3699



78.8098, 85.9645, 74.0671



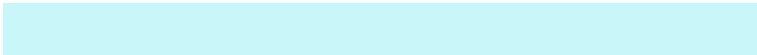
80.5714, 85.9645, 117.8940

Square

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



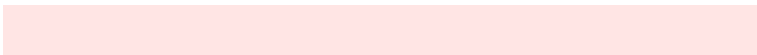
78.8098, 85.9645, 74.0671



74.5663, 85.9645, 102.2508



84.6737, 85.9645, 116.2981



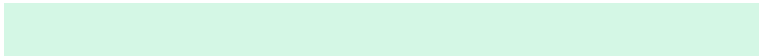
89.2889, 85.9645, 85.4528

Rectangle

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



78.8098, 85.9645, 74.0671



74.4132, 85.9645, 86.6642



84.6737, 85.9645, 116.2981



89.4618, 85.9645, 100.8978

Sweetspot

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



78.8121, 85.9683, 74.0689



93.2006, 99.2313, 100.4676



71.8306, 70.9946, 71.5467



19.8764, 21.2095, 21.1756



0.0000, 0.0000, 0.0000



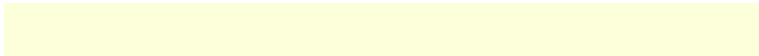
20.3446, 21.4041, 23.3091

Same Dimension

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



78.8121, 85.9683, 74.0689



88.5578, 97.2952, 79.5876



73.9568, 83.4652, 73.8417



17.0125, 18.4021, 16.8050



33.9244, 42.8102, 6.4752



2.8533, 3.5775, 0.5401

Inverse Universe

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



66.6154, 67.0879, 92.6620



72.1040, 71.8245, 104.6710



71.1690, 69.4354, 92.8751



14.9950, 15.2792, 19.8805



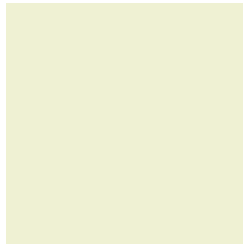
8.7652, 3.5241, 45.3461



0.7632, 0.3107, 3.7740

Previews

White Background



This preview shows how the XYZ color 78.8098, 85.9645, 74.0671 looks on a white background.

Color Contrast Check

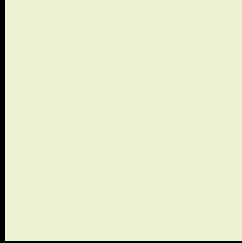
Large Text (above 18pt) WCAG AA × Fail

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 78.8098, 85.9645, 74.0671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

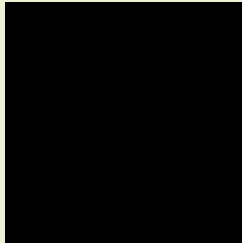
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

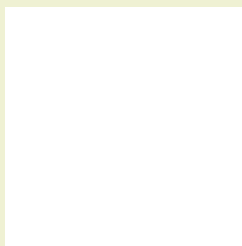
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8098, 85.9645, 74.0671

Background



This preview shows how black text looks on a background with the XYZ color 78.8098, 85.9645, 74.0671.



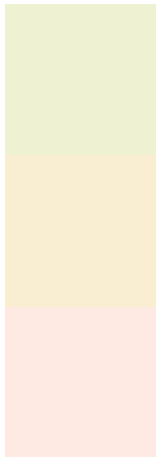
This preview shows how white text looks on a background with the XYZ color 78.8098, 85.9645,

74.0671.

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

78.8098, 85.9645, 74.0671

Protanopia

81.1501, 85.8923, 72.6234

Deuteranopia

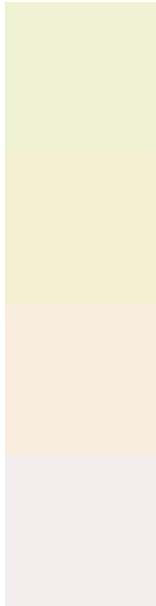
84.5279, 85.6517, 84.7504



Tritanopia

85.0941, 85.9210, 105.0280

Trichromacy



Original Color

78.8098, 85.9645, 74.0671

Protanomaly

80.1555, 85.7986, 73.3089

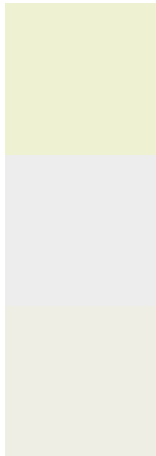
Deuteranomaly

82.4023, 85.9286, 80.6494

Tritanomaly

82.6790, 85.7961, 93.0916

Monochromacy



Original Color

78.8098, 85.9645, 74.0671

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.8380, 84.9277, 85.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8098, 85.9645, 74.0671 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(239, 241, 211) looks like.

```
.text, #text, p{  
    color:rgb(239, 241, 211)  
}
```

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(239, 241, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 241, 211) }
```

Border

The CSS property to change the border of an element to XYZ 78.8098, 85.9645, 74.0671 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(239, 241, 211) }
```


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

```
.border{ border-color:rgb(239, 241, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 241, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 241, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 241, 211);  
box-shadow:4px 4px 4px 4px rgb(239, 241,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8098, 85.9645, 74.0671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 241, 211) }
```

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

```
.background{ background-color: rgb(239,  
241, 211) }
```

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