

Converting Colors

XYZ(81.2635, 86.7983, 75.2269)

Have a look what the booklet for
XYZ(81.2635, 86.7983, 75.2269)
contains.

XYZ(81.1764, 86.7171, 75.4104)	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(81.1764, 86.7171,
75.4104)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F0D5
RGB	246, 240, 213
RGB Percent	96%, 94%, 84%
CMY	0.0353, 0.0588, 0.1647
CMYK	0.00, 0.02, 0.13, 0.04
HSL	49°, 65%, 90%
HSV	49°, 13%, 96%
XYZ	81.1764, 86.7171, 75.4104
YIQ	238.7160, 12.2430, -7.1250

Conversions

Conversions Part 2

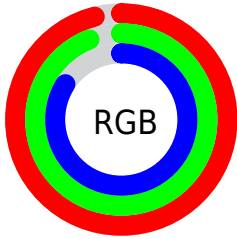
Format	Color
RYB	220, 246, 213
Decimal	16183509
CIELab	94.62, -2.41, 13.77
CIELCh	95, 13.980, 99.944
Yxy	86.7171, 0.3336, 0.3564
Android (android.graphics.Color)	4294373589 (0xFFFF6F0D5)
YUV	238.7160, -12.6780, 6.3881
Hunter-Lab	93.1220, -7.3614, 17.1722

Details

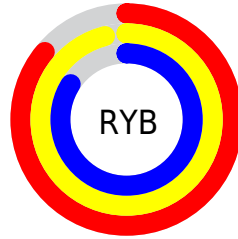
The XYZ color **81.1764, 86.7171, 75.4104** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.4065, 71.4617, 97.3250**, and the grayscale version is **81.9140, 86.1799, 93.8499**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5472, 47.6968, 39.2063** is the 20% darker color. If you saturate the color by 10%, you get **76.9892, 82.9657, 59.7606**, and if you desaturate by 10%, it is **85.8744, 90.7304, 93.5693**.

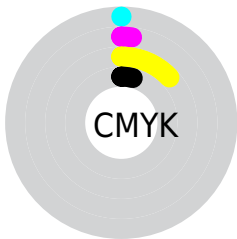
Distribution



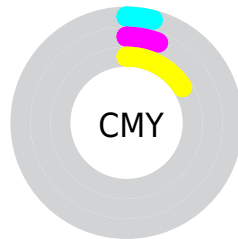
- Red (96%)
- Green (94%)
- Blue (84%)



- Red (86%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1764, 86.7171, 75.4104 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 81.1764, 86.7171, 75.4104 by changing the saturation by 10% instead.

81.1764, 86.7171,
75.4104

81.1764, 86.7171,
75.4104

487.5650,
517.2928, 498.6200

60.9987, 65.2611,
55.4454

133.9603,
142.7698, 128.6456

44.4766, 47.6728,
39.3574

167.2972,
178.1352, 162.7528

31.2449, 33.5679,
26.7279

205.7511,
218.9060, 202.4113

20.9382, 22.5618,
17.1384

249.6876,
265.4664, 248.0394

13.1910, 14.2703,
10.1702

299.4718,
318.2009, 300.0558

7.6381, 8.3089,
5.4049

355.4692,

3.9141, 4.2932,

377.4939, 358.8790

2.4239

418.0452,
443.7297, 424.9276

■ 1.6537, 1.8389,
0.7994

■ 0.4270, 0.5113,
0.0000

■ 81.1764, 86.7171,
75.4104

■ 81.1764, 86.7171,
75.4104

■ 76.9892, 82.9657,
59.7606

■ 85.8744, 90.7304,
93.5693

■ 73.2842, 79.4559,
46.5021

■ 89.9149, 94.5300,
108.1148

■ 70.0407, 76.1818,
35.5164

■ 91.3124, 97.3250,
108.5807

■ 67.2337, 73.1329,
26.6721

■ 91.8164, 98.3330,
108.7487

■ 64.8353, 70.2979,
19.8248

■ 62.8145, 67.6640,
14.8120

■ 61.1355, 65.2163,
11.4455

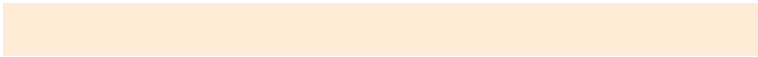
■ 59.7544, 62.9370,
9.4968

■ 58.9652, 61.5107,
8.7649

Harmonies

Analogous

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



84.9333, 86.7171, 76.2287



81.1764, 86.7171, 75.4104



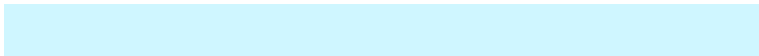
77.8545, 86.7171, 79.3798

Triad

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



81.1764, 86.7171, 75.4104



76.9878, 86.7171, 108.3878



89.4214, 86.7171, 101.7210

Complementary

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



81.1764, 86.7171, 75.4104



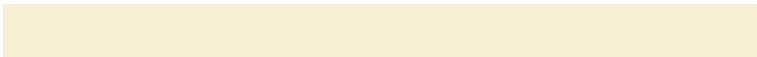
69.4065, 71.4617, 97.3250

Split Complementary

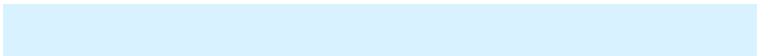
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1648, 86.7171, 111.2496



81.1764, 86.7171, 75.4104



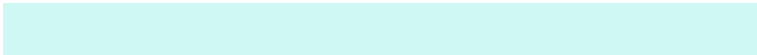
79.9607, 86.7171, 115.2975

Square

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



81.1764, 86.7171, 75.4104



75.4854, 86.7171, 98.0512



83.6803, 86.7171, 116.3830



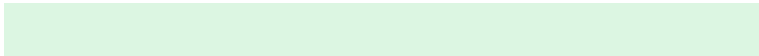
89.7710, 86.7171, 90.8799

Rectangle

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



81.1764, 86.7171, 75.4104



76.3050, 86.7171, 84.3984



83.6803, 86.7171, 116.3830



88.8575, 86.7171, 105.2055

Sweetspot

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



81.1787, 86.7209, 75.4123



92.8626, 98.1837, 100.2832



74.5941, 72.2996, 77.0772



19.7906, 20.9433, 21.1288



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.



81.1787, 86.7209, 75.4123



86.8440, 93.0068, 77.1273



79.4098, 88.4725, 75.8436



17.6437, 18.7715, 17.4909



31.5683, 33.0222, 4.7101



2.8397, 3.0326, 0.4357

Inverse Universe

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



69.4065, 71.4617, 97.3250



71.8584, 73.5831, 105.0234



71.0002, 70.0031, 96.9595



15.8246, 16.4135, 20.8766



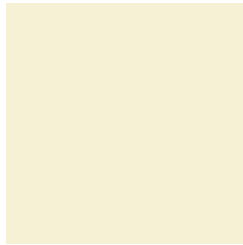
9.4457, 4.6853, 46.9445



0.8961, 0.5437, 4.1479

Previews

White Background



This preview shows how the XYZ color 81.1764, 86.7171, 75.4104 looks on a white background.

Color Contrast Check

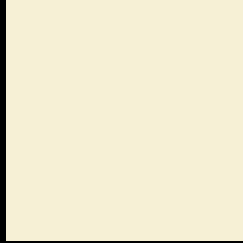
Large Text (above 18pt) WCAG AA × Fail

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 81.1764, 86.7171, 75.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

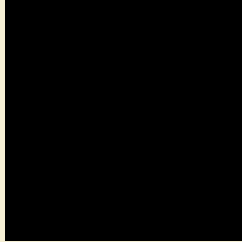
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1764, 86.7171, 75.4104

Background



This preview shows how black text looks on a background with the XYZ color 81.1764, 86.7171, 75.4104.



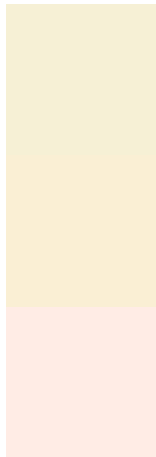
This preview shows how white text looks on a background with the XYZ color 81.1764, 86.7171,

75.4104.

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

81.1764, 86.7171, 75.4104

Protanopia

82.1745, 86.8105, 74.7124

Deuteranopia

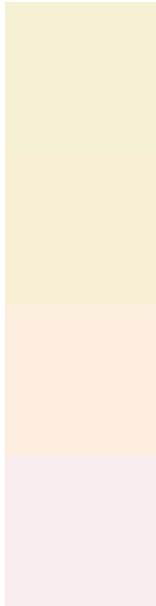
85.3783, 86.9080, 86.4038



Tritanopia

86.9361, 86.4467, 105.0324

Trichromacy



Original Color

81.1764, 86.7171, 75.4104

Protanomaly

81.8171, 86.6262, 74.6957

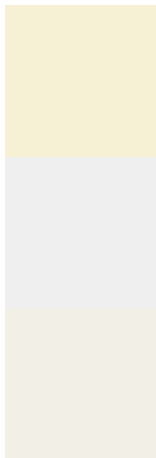
Deuteranomaly

83.7484, 86.5915, 82.1119

Tritanomaly

84.4950, 86.3037, 93.0938

Monochromacy



Original Color

81.1764, 86.7171, 75.4104

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.7674, 86.3234, 87.2154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1764, 86.7171, 75.4104 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(246, 240, 213)` looks like.

```
.text, #text, p{  
    color:rgb(246, 240, 213)  
}
```

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(246, 240, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 240, 213) }
```

Border

The CSS property to change the border of an element to XYZ 81.1764, 86.7171, 75.4104 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(246, 240, 213) }
```


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

```
.border{ border-color:rgb(246, 240, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 240, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 240, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 240, 213);  
box-shadow:4px 4px 4px 4px rgb(246, 240,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1764, 86.7171, 75.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 240, 213) }
```

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

```
.background{ background-color: rgb(246,  
240, 213) }
```

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