

Converting Colors

XYZ(81.3117, 84.7966, 70.9980)

Have a look what the booklet for
XYZ(81.3117, 84.7966, 70.9980)
contains.

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Color

**XYZ(81.1157, 84.6171,
71.0890)**

Conversions

Conversions Part 1

Format	Color
Hex	FCEBCF
RGB	252, 235, 207
RGB Percent	99%, 92%, 81%
CMY	0.0118, 0.0784, 0.1882
CMYK	0.00, 0.07, 0.18, 0.01
HSL	37°, 88%, 90%
HSV	37°, 18%, 99%
XYZ	81.1157, 84.6171, 71.0890
YIQ	236.8910, 19.1200, -5.1040

Conversions

Conversions Part 2

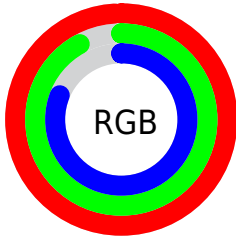
Format	Color
RYB	234, 252, 207
Decimal	16575439
CIELab	93.72, 1.35, 15.66
CIELCh	94, 15.722, 85.082
Yxy	84.6171, 0.3425, 0.3573
Android (android.graphics.Color)	4294765519 (0xFFFCBCEB)
YUV	236.8910, -14.7363, 13.2506
Hunter-Lab	91.9876, -3.5748, 18.5713

Details

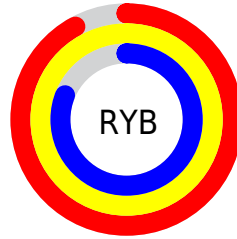
The XYZ color **81.1157, 84.6171, 71.0890** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.9582, 73.6034, 102.6157**, and the grayscale version is **80.5138, 84.7068, 92.2457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3755, 46.1422, 36.7045** is the 20% darker color. If you saturate the color by 10%, you get **75.6258, 78.1800, 55.2530**, and if you desaturate by 10%, it is **87.2477, 91.5501, 89.5669**.

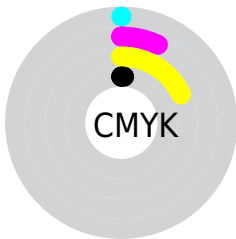
Distribution



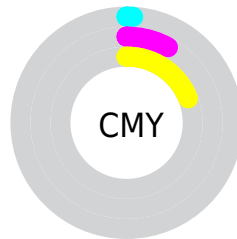
- Red (99%)
- Green (92%)
- Blue (81%)



- Red (92%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (7%)
- Yellow (18%)
- Black (1%)





- Cyan (1%)
- Magenta (8%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1157, 84.6171, 71.0890 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 81.1157, 84.6171, 71.0890 by changing the saturation by 10% instead.


 81.1157, 84.6171,
71.0890

 81.1157, 84.6171,
71.0890


487.3644,
510.3602, 483.2565

 60.9485, 63.5250,
51.9326


133.8755,
139.8381, 122.4561

 44.4360, 46.2661,
36.5694


167.1989,
174.7358, 155.5038

 31.2128, 32.4559,
24.5811


205.6383,
215.0042, 194.0190

 20.9136, 21.7099,
15.5491

249.5592,
261.0277, 238.4203

 13.1729, 13.6439,
9.0548

299.3269,
313.1906, 289.1261

 7.6256, 7.8734,
4.6796

355.3067,

 3.9061, 4.0141,

371.8774, 346.5551

2.0051

417.8641,
437.4725, 411.1257

■ 1.6491, 1.6814,
0.5584

■ 0.4241, 0.4116,
0.0000

■ 81.1157, 84.6171,
71.0890

■ 81.1157, 84.6171,
71.0890

■ 75.6258, 78.1800,
55.2530

■ 87.2477, 91.5501,
89.5669

■ 70.7456, 72.2136,
41.9302

■ 93.6498, 98.8250,
108.7470

■ 66.4501, 66.7070,
30.9892

■ 93.9551, 99.4356,
108.8488

■ 62.7092, 61.6444,
22.2841

■ 59.4900, 57.0089,
15.6532

■ 56.7552, 52.7813,
10.9125

■ 54.4612, 48.9403,
7.8450

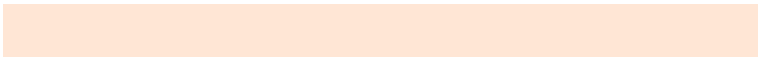
■ 52.5503, 45.4585,
6.1598

■ 52.1731, 44.7516,
5.8881

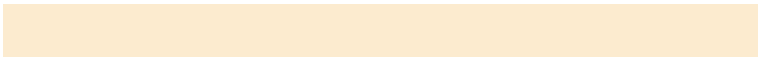
Harmonies

Analogous

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



85.1054, 84.6171, 74.5518



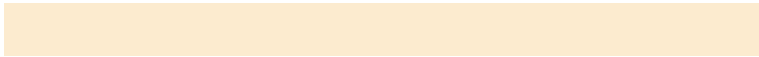
81.1157, 84.6171, 71.0890



77.0735, 84.6171, 72.8545

Triad

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



81.1157, 84.6171, 71.0890



73.3777, 84.6171, 102.2188



87.1841, 84.6171, 105.9186

Complementary

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



81.1157, 84.6171, 71.0890



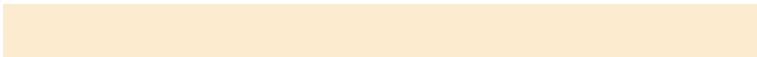
69.9582, 73.6034, 102.6157

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.



83.8744, 84.6171, 114.5451



81.1157, 84.6171, 71.0890



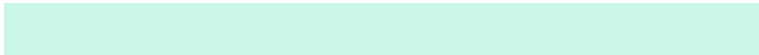
75.9214, 84.6171, 112.2829

Square

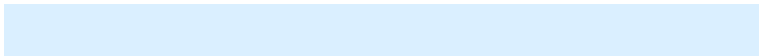
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1157, 84.6171, 71.0890



72.6961, 84.6171, 90.1781



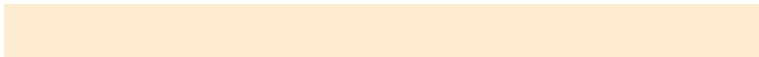
79.7403, 84.6171, 116.9687



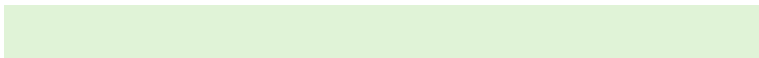
88.6853, 84.6171, 94.1173

Rectangle

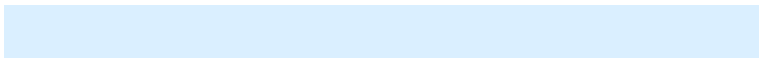
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1157, 84.6171, 71.0890



74.8788, 84.6171, 76.8463



79.7403, 84.6171, 116.9687



86.2407, 84.6171, 109.3248

Sweetspot

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



81.1180, 84.6209, 71.0908



91.5476, 96.1719, 97.9394



75.9471, 70.7176, 80.3470



19.4926, 20.4718, 20.6457



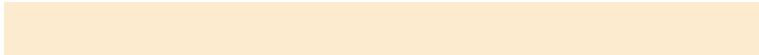
0.0000, 0.0000, 0.0000



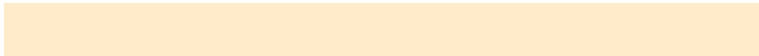
20.3446, 21.4041, 23.3091

Same Dimension

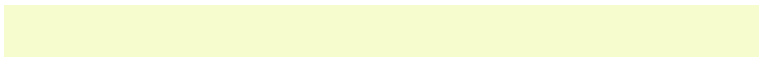
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1180, 84.6209, 71.0908



81.4799, 84.7867, 67.6073



84.3433, 93.8552, 72.7032



18.1445, 19.0248, 18.1782



27.3239, 23.6045, 3.1160



2.6327, 2.3902, 0.3226

Inverse Universe

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



69.9582, 73.6034, 102.6157



68.2933, 71.7695, 104.8612



67.1081, 65.6894, 101.2384



16.8202, 17.7172, 21.9185



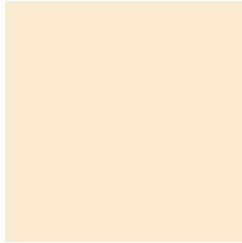
11.4229, 8.2014, 48.9545



1.1564, 0.9564, 4.5668

Previews

White Background



This preview shows how the XYZ color 81.1157, 84.6171, 71.0890 looks on a white background.

Color Contrast Check

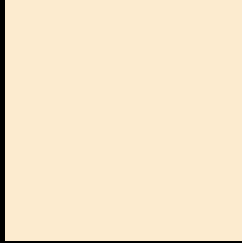
Large Text (above 18pt) WCAG AA × Fail

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 81.1157, 84.6171, 71.0890 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 81.1157, 84.6171, 71.0890

Background



This preview shows how black text looks on a background with the XYZ color 81.1157, 84.6171, 71.0890.



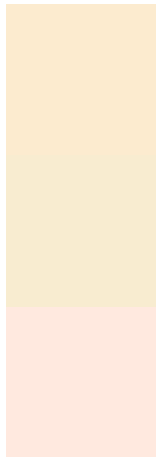
This preview shows how white text looks on a background with the XYZ color 81.1157, 84.6171,

71.0890.

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

81.1157, 84.6171, 71.0890

Protanopia

80.0920, 84.5014, 71.7636

Deuteranopia

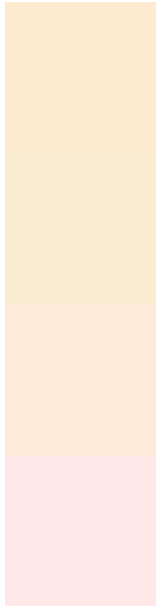
83.6982, 84.8655, 81.7814



Tritanopia

86.1714, 84.5074, 98.9586

Trichromacy



Original Color

81.1157, 84.6171, 71.0890

Protanomaly

80.4475, 84.6847, 71.7803

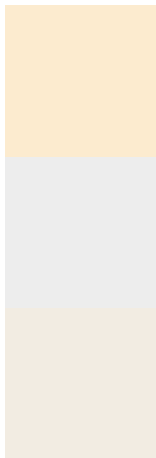
Deuteranomaly

82.8203, 84.9262, 77.6729

Tritanomaly

84.2952, 84.6103, 88.2325

Monochromacy



Original Color

81.1157, 84.6171, 71.0890

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.3409, 84.3591, 84.0000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1157, 84.6171, 71.0890 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(252, 235, 207)` looks like.

```
.text, #text, p{  
    color:rgb(252, 235, 207)  
}
```

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(252, 235, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 235, 207) }
```

Border

The CSS property to change the border of an element to XYZ 81.1157, 84.6171, 71.0890 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(252, 235, 207) }
```


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

```
.border{ border-color:rgb(252, 235, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 235, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 235, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 235, 207);  
box-shadow:4px 4px 4px 4px rgb(252, 235,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1157, 84.6171, 71.0890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 235, 207) }
```

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

```
.background{ background-color: rgb(252,  
235, 207) }
```

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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