

Converting Colors

XYZ(81.6644, 84.9727, 75.3161)

Have a look what the booklet for
XYZ(81.6644, 84.9727, 75.3161)
contains.

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Color

**XYZ(81.5022, 84.7300,
75.0097)**

Conversions

Conversions Part 1

Format	Color
Hex	FBEBD5
RGB	251, 235, 213
RGB Percent	98%, 92%, 84%
CMY	0.0157, 0.0784, 0.1647
CMYK	0.00, 0.06, 0.15, 0.02
HSL	35°, 83%, 91%
HSV	35°, 15%, 98%
XYZ	81.5022, 84.7300, 75.0097
YIQ	237.2760, 16.5980, -3.4500

Conversions

Conversions Part 2

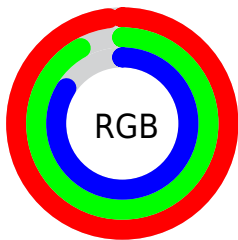
Format	Color
R _Y B	241, 251, 213
Decimal	16509909
CIE Lab	93.77, 1.89, 12.62
CIE LCh	94, 12.756, 81.480
Yxy	84.7300, 0.3378, 0.3512
Android (android.graphics.Color)	4294699989 (0xFFFBEBD5)
YUV	237.2760, -11.9681, 12.0359
Hunter-Lab	92.0489, -3.0376, 16.1194

Details

The XYZ color **81.5022, 84.7300, 75.0097** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.8721, 77.1481, 102.3177**, and the grayscale version is **80.7912, 84.9986, 92.5635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5398, 46.1782, 38.9135** is the 20% darker color. If you saturate the color by 10%, you get **75.6248, 77.6847, 58.5302**, and if you desaturate by 10%, it is **88.0570, 92.3394, 94.1496**.

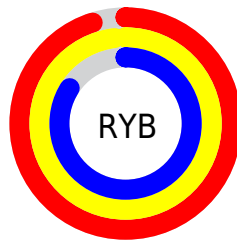
Distribution



Red (98%)

Green (92%)

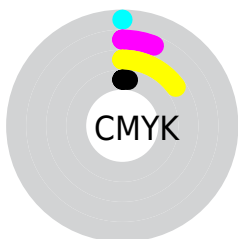
Blue (84%)



Red (95%)

Yellow (98%)

Blue (84%)

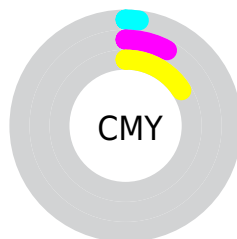


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (2%)



Cyan (2%)


Magenta (8%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5022, 84.7300, 75.0097 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 81.5022, 84.7300, 75.0097 by changing the saturation by 10% instead.


 81.5022, 84.7300,
75.0097

 81.5022, 84.7300,
75.0097


488.6408,
510.7342, 497.2072

 61.2680, 63.6183,
55.1191


134.4152,
139.9959, 128.0733

 44.6949, 46.3416,
39.0978


167.8246,
174.9189, 162.0834

 31.4174, 32.5155,
26.5274


206.3566,
215.2144, 201.6370

 21.0703, 21.7555,
16.9893

250.3764,
261.2669, 247.1527

 13.2881, 13.6774,
10.0650

300.2493,
313.4607, 299.0490

 7.7056, 7.8966,
5.3359

356.3408,

 3.9574, 4.0289,

372.1803, 357.7445

2.3835

419.0162,
437.8100, 423.6577

■ 1.6780, 1.6897,
0.7774

■ 0.4425, 0.4170,
0.0000

■ 81.5022, 84.7300,
75.0097

■ 81.5022, 84.7300,
75.0097

■ 75.6248, 77.6847,
58.5302

■ 88.0570, 92.3394,
94.1496

■ 70.3922, 71.1770,
44.5857

■ 93.5939, 99.2494,
108.8319

■ 65.7792, 65.1945,
33.0485

■ 61.7560, 59.7202,
23.7777

■ 58.2897, 54.7356,
16.6174

■ 55.3439, 50.2205,
11.3920

■ 52.8763, 46.1522,
7.8965

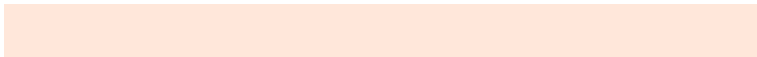
■ 50.8354, 42.5043,
5.8791

■ 49.9628, 40.8671,
5.2548

Harmonies

Analogous

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



84.6585, 84.7300, 78.4170



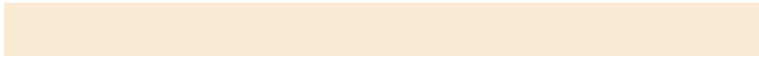
81.5022, 84.7300, 75.0097



78.1715, 84.7300, 75.9631

Triad

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



81.5022, 84.7300, 75.0097



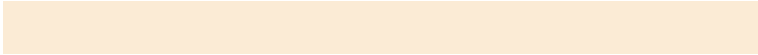
74.6227, 84.7300, 99.2578



85.7380, 84.7300, 104.3692

Complementary

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



81.5022, 84.7300, 75.0097



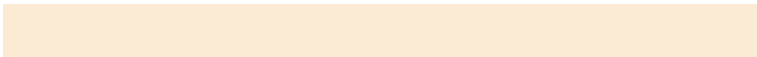
72.8721, 77.1481, 102.3177

Split Complementary

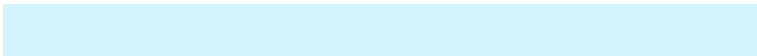
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9422, 84.7300, 110.7276



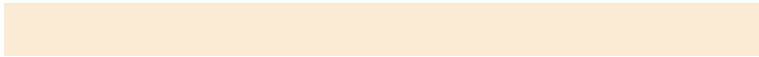
81.5022, 84.7300, 75.0097



76.5443, 84.7300, 107.6356

Square

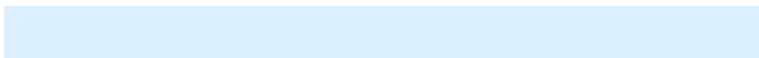
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5022, 84.7300, 75.0097



74.2616, 84.7300, 89.5203



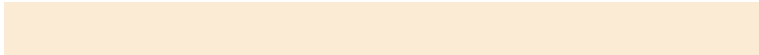
79.5722, 84.7300, 111.9631



87.1486, 84.7300, 95.0480

Rectangle

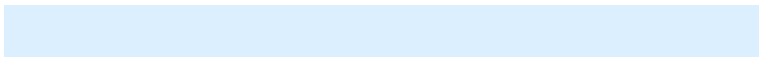
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5022, 84.7300, 75.0097



76.2954, 84.7300, 78.9743



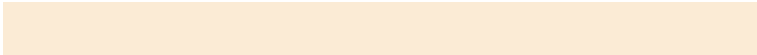
79.5722, 84.7300, 111.9631



84.9254, 84.7300, 106.9504

Sweetspot

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



81.5045, 84.7338, 75.0115



91.3764, 95.8294, 97.8823



77.7869, 73.7821, 84.6134



19.4509, 20.3885, 20.6318



0.0000, 0.0000, 0.0000



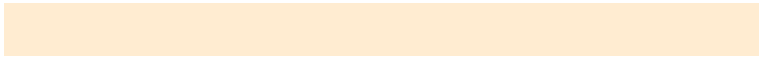
20.3446, 21.4041, 23.3091

Same Dimension

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



81.5045, 84.7338, 75.0115



82.6643, 85.6751, 72.5666



85.3852, 93.8410, 76.5648



18.0795, 18.8949, 18.1566



26.4097, 21.7760, 2.8112



2.5509, 2.2266, 0.2953

Inverse Universe

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



72.8721, 77.1481, 102.3177



72.2320, 76.5082, 105.5683



69.3891, 69.0827, 100.9445



16.8835, 17.8438, 21.9396



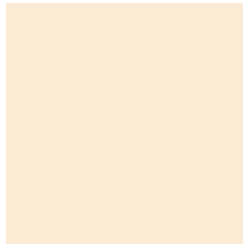
11.9797, 9.3150, 49.1401



1.2118, 1.0673, 4.5853

Previews

White Background



This preview shows how the XYZ color 81.5022, 84.7300, 75.0097 looks on a white background.

Color Contrast Check

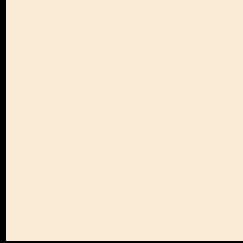
Large Text (above 18pt) WCAG AA × Fail

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 81.5022, 84.7300, 75.0097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

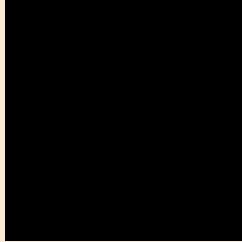
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5022, 84.7300, 75.0097

Background



This preview shows how black text looks on a background with the XYZ color 81.5022, 84.7300, 75.0097.

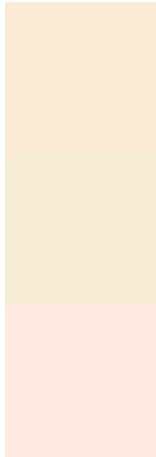


This preview shows how white text looks on a background with the XYZ color 81.5022, 84.7300,

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

81.5022, 84.7300, 75.0097

Protanopia

80.4908, 84.6201, 75.7093

Deuteranopia

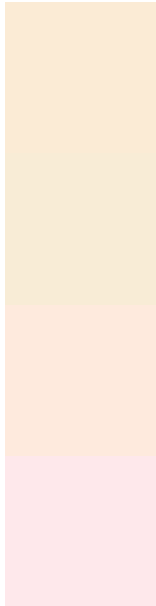
83.9695, 84.9741, 83.2101



Tritanopia

86.4801, 84.6309, 100.5843

Trichromacy



Original Color

81.5022, 84.7300, 75.0097

Protanomaly

80.8445, 84.8024, 75.7259

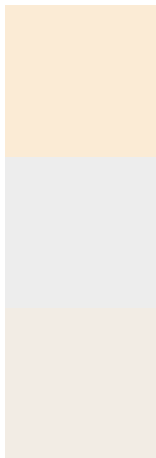
Deuteranomaly

83.3470, 85.1369, 80.4468

Tritanomaly

84.7251, 84.7822, 90.4964

Monochromacy



Original Color

81.5022, 84.7300, 75.0097

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6170, 84.4696, 85.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5022, 84.7300, 75.0097 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(251, 235, 213)` looks like.

```
.text, #text, p{  
    color:rgb(251, 235, 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(251, 235, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 235, 213) }
```

Border

The CSS property to change the border of an element to XYZ 81.5022, 84.7300, 75.0097 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(251, 235, 213) }
```


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

```
.border{ border-color:rgb(251, 235, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 235, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 235, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 235, 213);  
box-shadow:4px 4px 4px 4px rgb(251, 235,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5022, 84.7300, 75.0097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 235, 213) }
```

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

```
.background{ background-color: rgb(251,  
235, 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](#).

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