

Converting Colors

XYZ(81.6545, 91.6595, 73.5103)

Have a look what the booklet for
XYZ(81.6545, 91.6595, 73.5103)
contains.

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Color

**XYZ(81.6294, 91.4999,
73.6805)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FAD1
RGB	240, 250, 209
RGB Percent	94%, 98%, 82%
CMY	0.0588, 0.0196, 0.1804
CMYK	0.04, 0.00, 0.16, 0.02
HSL	75°, 80%, 90%
HSV	75°, 16%, 98%
XYZ	81.6294, 91.4999, 73.6805
YIQ	242.3360, 7.2010, -14.8710

Conversions

Conversions Part 2

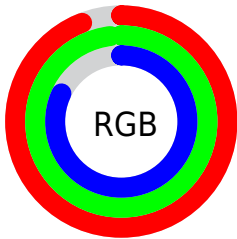
Format	Color
R_{YB}	209, 250, 219
Decimal	15792849
CIE _{Lab}	96.62, -10.14, 18.58
CIE _{LCh}	97, 21.165, 118.634
Y _{xy}	91.4999, 0.3307, 0.3707
Android (android.graphics.Color)	4293982929 (0xFFFF0FAD1)
YUV	242.3360, -16.4346, -2.0487
Hunter-Lab	95.6556, -15.0711, 21.2897

Details

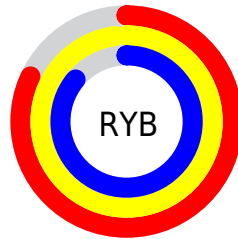
The XYZ color **81.6294, 91.4999, 73.6805** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.2727, 67.5656, 99.8378**, and the grayscale version is **84.7885, 89.2041, 97.1432**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8917, 51.1070, 38.0704** is the 20% darker color. If you saturate the color by 10%, you get **76.7385, 89.3113, 58.5424**, and if you desaturate by 10%, it is **87.0806, 93.9267, 91.3839**.

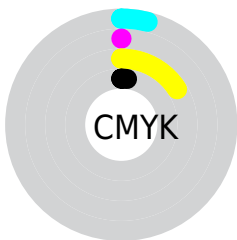
Distribution



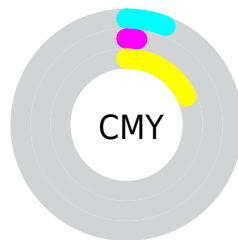
- Red (94%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (86%)



- Cyan (4%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)



- Cyan (6%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6294, 91.4999, 73.6805 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 81.6294, 91.4999, 73.6805 by changing the saturation by 10% instead.

81.6294, 91.4999,
73.6805

81.6294, 91.4999,
73.6805

489.0605,
532.8980, 492.5038

61.3732, 69.2253,
54.0374

134.5927,
149.4201, 126.1726

44.7801, 50.8952,
38.2382

168.0305,
185.8345, 159.8587

31.4848, 36.1252,
25.8643

206.5929,
227.7309, 199.0629

21.1219, 24.5309,
16.4973

250.6451,
275.4938, 244.2037

13.3261, 15.7279,
9.7186

300.5527,
329.5076, 295.6997

7.7320, 9.3318,
5.1096

356.6808,

3.9743, 4.9583,

390.1566, 353.9693

2.2519

419.3950,
457.8253, 419.4312

■ 1.6876, 2.2228,
0.7041

■ 0.4485, 0.7324,
0.0000

■ 81.6294, 91.4999,
73.6805

■ 81.6294, 91.4999,
73.6805

■ 76.7385, 89.3113,
58.5424

■ 87.0806, 93.9267,
91.3839

■ 72.3772, 87.3395,
45.8448

■ 92.4553, 96.3280,
108.3280

■ 68.5231, 85.5785,
35.4611

■ 93.4775, 96.8549,
108.3758

■ 65.1487, 84.0172,
27.2511

■ 62.2239, 82.6434,
21.0595

■ 59.7145, 81.4434,
16.7103

■ 57.5807, 80.4012,
13.9974

■ 55.7728, 79.4969,
12.6633

■ 55.1748, 79.1943,
12.3780

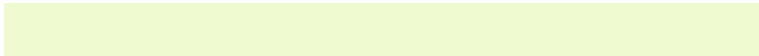
Harmonies

Analogous

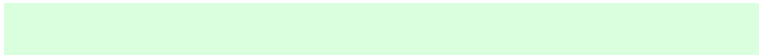
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2394, 91.4999, 70.4770



81.6294, 91.4999, 73.6805



77.6114, 91.4999, 83.6135

Triad

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



81.6294, 91.4999, 73.6805



81.1799, 91.4999, 130.1169



98.8439, 91.4999, 100.4066

Complementary

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



81.6294, 91.4999, 73.6805



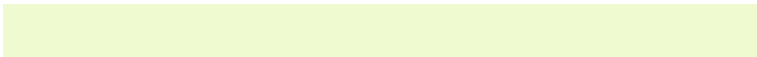
69.2727, 67.5656, 99.8378

Split Complementary

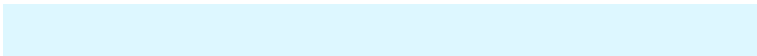
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.0478, 91.4999, 117.5666



81.6294, 91.4999, 73.6805



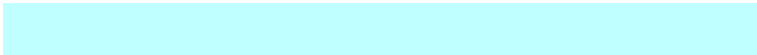
86.6970, 91.4999, 135.8777

Square

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



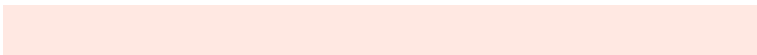
81.6294, 91.4999, 73.6805



77.3603, 91.4999, 116.0707



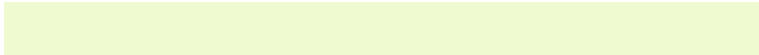
92.5342, 91.4999, 131.0471



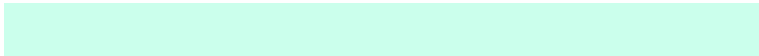
97.3398, 91.4999, 84.8162

Rectangle

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



81.6294, 91.4999, 73.6805



76.2848, 91.4999, 93.3439



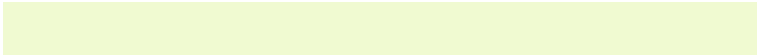
92.5342, 91.4999, 131.0471



98.6046, 91.4999, 106.1876

Sweetspot

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



81.6318, 91.5039, 73.6825



91.9293, 98.6206, 98.3919



76.1547, 75.3674, 70.8565



19.5854, 21.0684, 20.7560



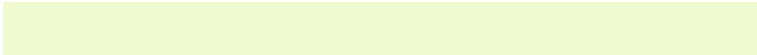
0.0000, 0.0000, 0.0000



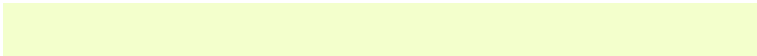
20.3446, 21.4041, 23.3091

Same Dimension

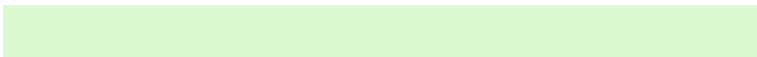
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6318, 91.5039, 73.6825



83.4681, 94.8554, 71.0364



75.1923, 88.1842, 73.3811



18.2894, 19.9650, 18.3521



29.4015, 42.0753, 6.5717



2.8182, 3.9459, 0.6131

Inverse Universe

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



69.2727, 67.5656, 99.8378



68.0932, 65.0724, 103.5791



75.6780, 70.8676, 100.1375



16.6796, 16.8475, 21.7581



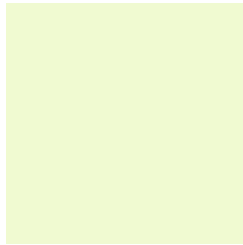
10.2814, 4.2430, 48.2506



1.0436, 0.4401, 4.4731

Previews

White Background



This preview shows how the XYZ color 81.6294, 91.4999, 73.6805 looks on a white background.

Color Contrast Check

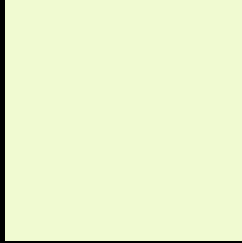
Large Text (above 18pt) WCAG AA × Fail

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 81.6294, 91.4999, 73.6805 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

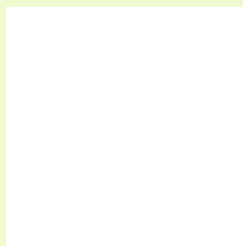
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6294, 91.4999, 73.6805

Background



This preview shows how black text looks on a background with the XYZ color 81.6294, 91.4999, 73.6805.

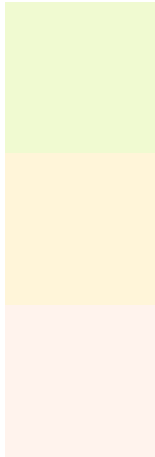


This preview shows how white text looks on a background with the XYZ color 81.6294, 91.4999,

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

81.6294, 91.4999, 73.6805

Protanopia

86.4168, 91.5746, 78.7666

Deuteranopia

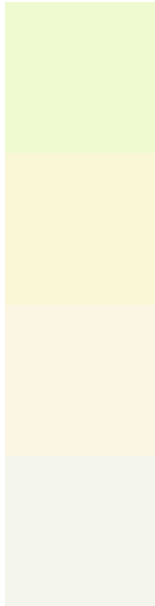
88.5767, 91.4756, 93.1088



Tritanopia

88.7585, 91.6955, 107.6287

Trichromacy



Original Color

81.6294, 91.4999, 73.6805

Protanomaly

84.8227, 91.7006, 76.8477

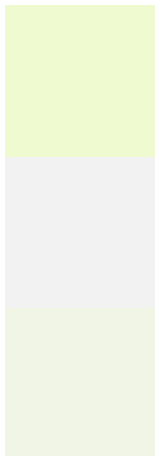
Deuteranomaly

86.2452, 91.7816, 85.8431

Tritanomaly

85.6966, 91.3177, 93.9983

Monochromacy



Original Color

81.6294, 91.4999, 73.6805

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.2110, 89.7188, 87.7947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6294, 91.4999, 73.6805 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, 250, 209) looks like.

```
.text, #text, p{  
    color:rgb(240, 250, 209)  
}
```

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, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 250, 209) }
```

Border

The CSS property to change the border of an element to XYZ 81.6294, 91.4999, 73.6805 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, 250, 209) }
```


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

```
.border{ border-color:rgb(240, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(240, 250,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6294, 91.4999, 73.6805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 250, 209) }
```

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

```
.background{ background-color: rgb(240,  
250, 209) }
```

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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