

Converting Colors

XYZ(81.9300, 86.6339, 64.8384)

Have a look what the booklet for
XYZ(81.9300, 86.6339, 64.8384)
contains.

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Color

**XYZ(81.7783, 86.3946,
64.5902)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEC4
RGB	255, 238, 196
RGB Percent	100%, 93%, 77%
CMY	0.0000, 0.0666, 0.2314
CMYK	0.00, 0.07, 0.23, 0.00
HSL	43°, 100%, 88%
HSV	43°, 23%, 100%
XYZ	81.7783, 86.3946, 64.5902
YIQ	238.2950, 23.6140, -9.4580

Conversions

Conversions Part 2

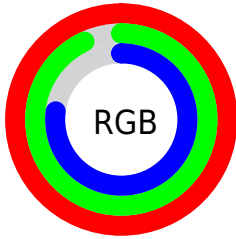
Format	Color
R_{YB}	220, 255, 196
Decimal	16772804
CIE _{Lab}	94.48, -0.65, 22.44
CIE _{LCh}	94, 22.446, 91.666
Y _{xy}	86.3946, 0.3513, 0.3712
Android (android.graphics.Color)	4294962884 (0xFFFFEEC4)
YUV	238.2950, -20.8514, 14.6503
Hunter-Lab	92.9487, -5.6120, 23.8634

Details

The XYZ color **81.7783, 86.3946, 64.5902** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.6086, 66.5423, 104.0465**, and the grayscale version is **81.6421, 85.8939, 93.5384**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **44.8991, 47.4147, 32.3767** is the 20% darker color. If you saturate the color by 10%, you get **77.0245, 81.1438, 49.8824**, and if you desaturate by 10%, it is **87.1170, 92.0249, 81.9288**.

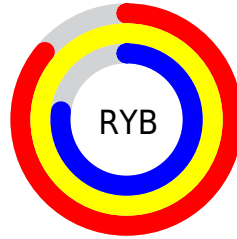
Distribution



Red (100%)

Green (93%)

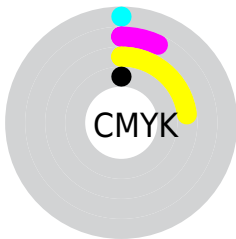
Blue (77%)



Red (86%)

Yellow (100%)

Blue (77%)

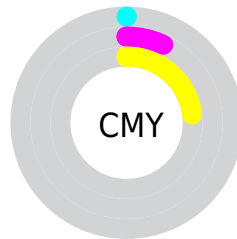


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7783, 86.3946, 64.5902 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 81.7783, 86.3946, 64.5902 by changing the saturation by 10% instead.


 81.7783, 86.3946,
64.5902

 81.7783, 86.3946,
64.5902


489.5516,
516.2315, 459.5837

 61.4963, 64.9943,
46.6796


134.8005,
142.3200, 113.0681

 44.8799, 47.4565,
32.4299


168.2714,
177.6139, 144.4725

 31.5637, 33.3967,
21.4226


206.8693,
218.3079, 181.2120

 21.1824, 22.4305,
13.2390

250.9596,
264.7862, 223.7050

 13.3706, 14.1736,
7.4607

300.9076,
317.4333, 272.3702

 7.7630, 8.2415,
3.6690

357.0787,

 3.9942, 4.2499,

376.6337, 327.6260

1.4456

419.8382,
442.7716, 389.8910

■ 1.6989, 1.8143,
0.1769

■ 0.4556, 0.4961,
0.0000

■ 81.7783, 86.3946,
64.5902

■ 81.7783, 86.3946,
64.5902

■ 77.0245, 81.1438,
49.8824

■ 87.1170, 92.0249,
81.9288

■ 72.8233, 76.2491,
37.6682

■ 93.0583, 98.0345,
102.0151

■ 69.1486, 71.7012,
27.8064

95.0500, 100.0000,
108.9000

■ 65.9694, 67.4861,
20.1393

■ 63.2512, 63.5883,
14.4896

■ 60.9538, 59.9899,
10.6523

■ 59.0290, 56.6698,
8.3783

■ 57.8761, 54.5322,
7.4754

Harmonies

Analogous

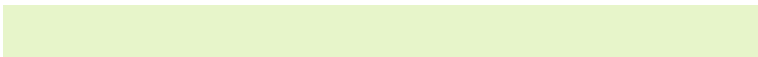
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7506, 86.3946, 67.7295



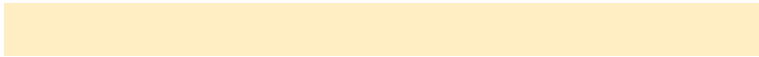
81.7783, 86.3946, 64.5902



76.1694, 86.3946, 68.5092

Triad

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



81.7783, 86.3946, 64.5902



72.6239, 86.3946, 112.6289



92.7658, 86.3946, 110.7509

Complementary

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



81.7783, 86.3946, 64.5902



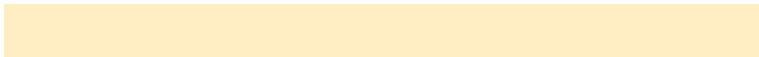
64.6086, 66.5423, 104.0465

Split Complementary

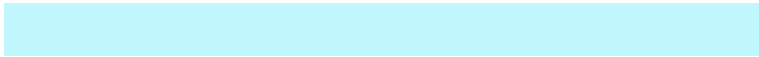
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3633, 86.3946, 125.3061



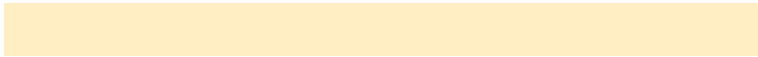
81.7783, 86.3946, 64.5902



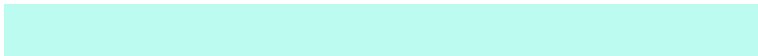
76.7269, 86.3946, 126.4805

Square

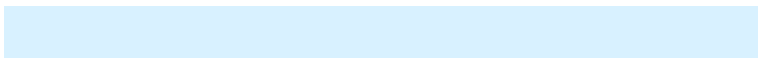
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7783, 86.3946, 64.5902



71.0471, 86.3946, 95.0393



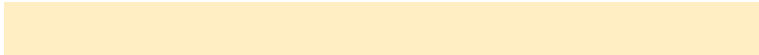
82.4536, 86.3946, 131.3785



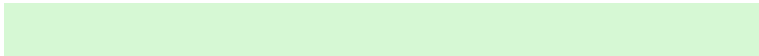
94.2775, 86.3946, 93.1054

Rectangle

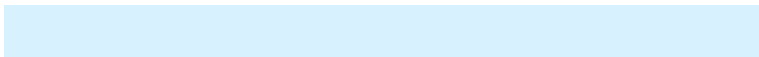
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7783, 86.3946, 64.5902



73.3399, 86.3946, 74.9140



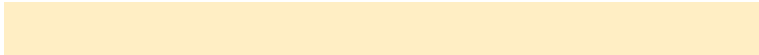
82.4536, 86.3946, 131.3785



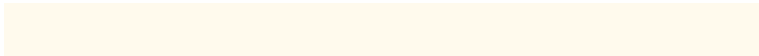
91.5646, 86.3946, 116.2390

Sweetspot

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



81.7804, 86.3984, 64.5920



90.6897, 95.6665, 93.9213



73.0799, 65.5805, 72.2252



19.3339, 20.3985, 19.8406



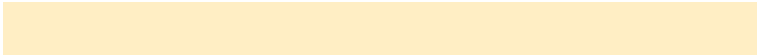
0.0000, 0.0000, 0.0000



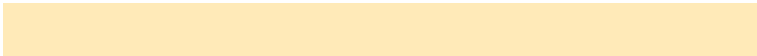
20.3446, 21.4041, 23.3091

Same Dimension

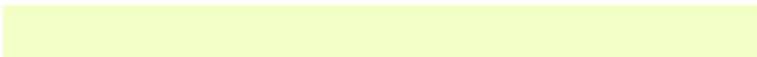
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7804, 86.3984, 64.5920



79.3964, 83.7971, 57.1177



82.7554, 94.5960, 66.1229



19.0933, 20.1547, 19.0283



30.3759, 28.7631, 3.9508



3.0514, 2.9881, 0.4159

Inverse Universe

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



64.6086, 66.5423, 104.0465



59.3538, 60.6256, 103.1814



63.7470, 60.0819, 102.8449



17.4291, 18.2299, 22.8501



10.8018, 6.5133, 50.1224



1.1405, 0.8118, 4.9098

Previews

White Background



This preview shows how the XYZ color 81.7783, 86.3946, 64.5902 looks on a white background.

Color Contrast Check

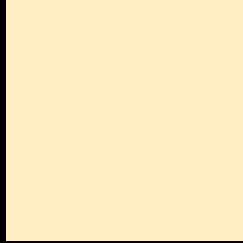
Large Text (above 18pt) WCAG AA × Fail

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 81.7783, 86.3946, 64.5902 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 81.7783, 86.3946, 64.5902

Background



This preview shows how black text looks on a background with the XYZ color 81.7783, 86.3946, 64.5902.



This preview shows how white text looks on a background with the XYZ color 81.7783, 86.3946,

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

81.7783, 86.3946, 64.5902

Protanopia

81.3383, 86.6012, 64.6533

Deuteranopia

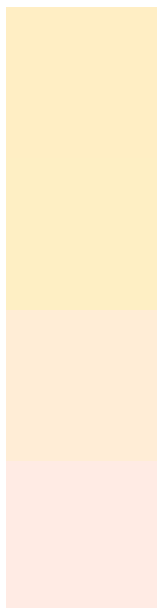
84.6900, 86.6327, 82.7792



Tritanopia

87.0135, 86.1916, 99.2393

Trichromacy



Original Color

81.7783, 86.3946, 64.5902

Protanomaly

81.7034, 86.7894, 64.6703

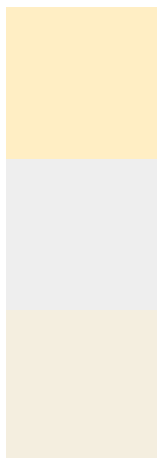
Deuteranomaly

83.6618, 86.6834, 75.9405

Tritanomaly

84.9519, 86.2781, 85.5747

Monochromacy



Original Color

81.7783, 86.3946, 64.5902

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.2020, 85.7099, 82.0759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7783, 86.3946, 64.5902 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(255, 238, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 196)  
}
```

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(255, 238, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 196) }
```

Border

The CSS property to change the border of an element to XYZ 81.7783, 86.3946, 64.5902 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(255, 238, 196) }
```


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

```
.border{ border-color:rgb(255, 238, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7783, 86.3946, 64.5902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 196) }
```

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

```
.background{ background-color: rgb(255,  
238, 196) }
```

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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