

Converting Colors

XYZ(81.7971, 86.1671, 75.2720)

Have a look what the booklet for
XYZ(81.7971, 86.1671, 75.2720)
contains.

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Color

**XYZ(81.6517, 86.0929,
75.2649)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EED5
RGB	249, 238, 213
RGB Percent	98%, 93%, 84%
CMY	0.0235, 0.0666, 0.1647
CMYK	0.00, 0.04, 0.14, 0.02
HSL	42°, 75%, 91%
HSV	42°, 14%, 98%
XYZ	81.6517, 86.0929, 75.2649
YIQ	238.4390, 14.5810, -5.4430

Conversions

Conversions Part 2

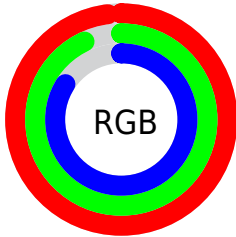
Format	Color
R_{YB}	229, 249, 213
Decimal	16379605
CIE Lab	94.35, -0.34, 13.42
CIE LCh	94, 13.429, 91.465
Yxy	86.0929, 0.3360, 0.3543
Android (android.graphics.Color)	4294569685 (0xFFF9EED5)
YUV	238.4390, -12.5414, 9.2620
Hunter-Lab	92.7863, -5.2964, 16.8565

Details

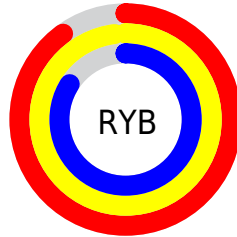
The XYZ color **81.6517, 86.0929, 75.2649** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.1949, 74.2955, 100.2114**, and the grayscale version is **81.6965, 85.9511, 93.6007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6377, 47.1310, 39.0923** is the 20% darker color. If you saturate the color by 10%, you get **76.5639, 80.5923, 59.1550**, and if you desaturate by 10%, it is **87.3230, 91.9824, 93.9654**.

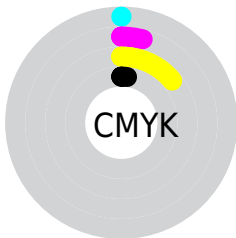
Distribution



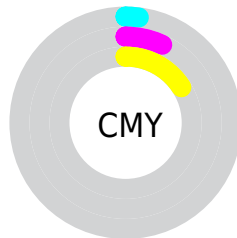
- Red (98%)
- Green (93%)
- Blue (84%)



- Red (90%)
- Yellow (98%)
- Blue (84%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6517, 86.0929, 75.2649 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 81.6517, 86.0929, 75.2649 by changing the saturation by 10% instead.


 81.6517, 86.0929,
75.2649

 81.6517, 86.0929,
75.2649


489.1341,
515.2375, 498.1073

 61.3916, 64.7448,
55.3269


134.6238,
141.8991, 128.4378

 44.7950, 47.2542,
39.2631


168.0666,
177.1260, 162.5098

 31.4966, 33.2366,
26.6551


206.6343,
217.7480, 202.1302

 21.1310, 22.3078,
17.0842

250.6922,
264.1494, 247.7176

 13.3328, 14.0832,
10.1320

300.6058,
316.7147, 299.6904

 7.7367, 8.1786,
5.3798

356.7404,

 3.9773, 4.2094,

375.8282, 358.4673

2.4092

419.4614,
441.8743, 424.4667

■ 1.6893, 1.7914,
0.7914

■ 0.4496, 0.4818,
0.0000

■ 81.6517, 86.0929,
75.2649

■ 81.6517, 86.0929,
75.2649

■ 76.5639, 80.5923,
59.1550

■ 87.3230, 91.9824,
93.9654

■ 72.0294, 75.4580,
45.5136

■ 92.3108, 97.7469,
108.6095

■ 68.0257, 70.6819,
34.2170

■ 92.8772, 98.8799,
108.7983

■ 64.5257, 66.2515,
25.1285

■ 61.4995, 62.1527,
18.0971

■ 58.9137, 58.3703,
12.9527

■ 56.7297, 54.8867,
9.4978

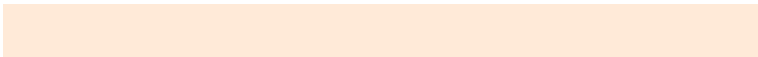
■ 54.9002, 51.6811,
7.4903

■ 54.0015, 50.0083,
6.8064

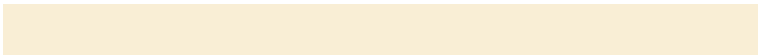
Harmonies

Analogous

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



85.1844, 86.0929, 77.3615



81.6517, 86.0929, 75.2649



78.2641, 86.0929, 77.8087

Triad

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



81.6517, 86.0929, 75.2649



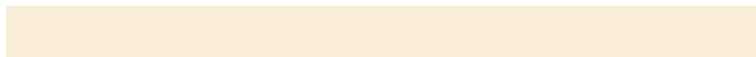
76.0582, 86.0929, 104.4877



88.0698, 86.0929, 103.5459

Complementary

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



81.6517, 86.0929, 75.2649



71.1949, 74.2955, 100.2114

Split Complementary

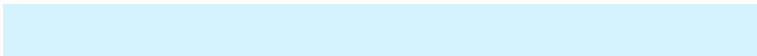
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5000, 86.0929, 111.7110



81.6517, 86.0929, 75.2649



78.5623, 86.0929, 112.2822

Square

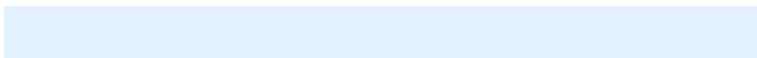
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6517, 86.0929, 75.2649



75.0939, 86.0929, 94.2488



82.0060, 86.0929, 115.0164



88.9546, 86.0929, 93.2341

Rectangle

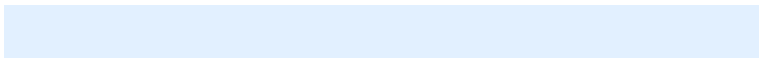
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6517, 86.0929, 75.2649



76.5261, 86.0929, 81.9103



82.0060, 86.0929, 115.0164



87.3708, 86.0929, 106.6583

Sweetspot

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



81.6540, 86.0967, 75.2667



92.4651, 97.3888, 100.1507



76.3710, 73.1330, 80.8978



19.6897, 20.7417, 21.0952



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

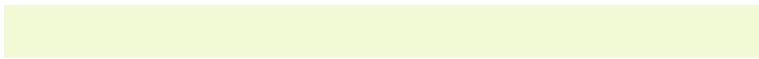
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6540, 86.0967, 75.2667



84.7603, 89.3574, 74.8365



82.6422, 91.5044, 76.2584



18.2538, 19.2435, 18.2147



29.0373, 27.0312, 3.6871



2.7829, 2.6907, 0.3727

Inverse Universe

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



71.1949, 74.2955, 100.2114



71.9960, 74.9560, 105.2811



70.2885, 69.5826, 99.3494



16.7153, 17.5075, 21.8836



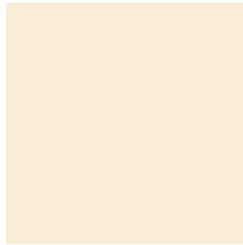
10.6474, 6.6503, 48.6960



1.0754, 0.7945, 4.5398

Previews

White Background



This preview shows how the XYZ color 81.6517, 86.0929, 75.2649 looks on a white background.

Color Contrast Check

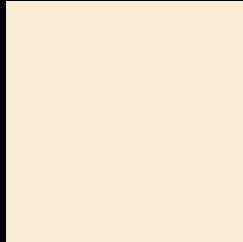
Large Text (above 18pt) WCAG AA × Fail

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 81.6517, 86.0929, 75.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

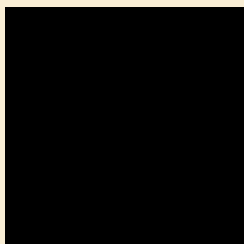
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6517, 86.0929, 75.2649

Background



This preview shows how black text looks on a background with the XYZ color 81.6517, 86.0929, 75.2649.



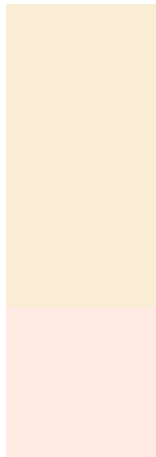
This preview shows how white text looks on a background with the XYZ color 81.6517, 86.0929,

75.2649.

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

81.6517, 86.0929, 75.2649

Protanopia

81.6517, 86.0929, 75.2649

Deuteranopia

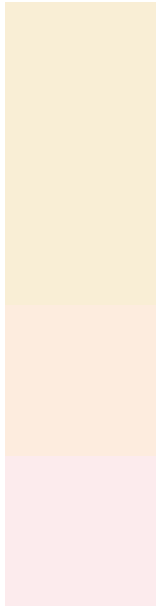
84.8135, 86.2227, 84.8455



Tritanopia

87.4246, 86.3137, 103.3192

Trichromacy



Original Color

81.6517, 86.0929, 75.2649

Protanomaly

81.6517, 86.0929, 75.2649

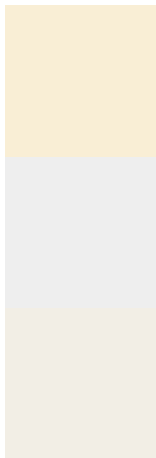
Deuteranomaly

83.6883, 86.1475, 81.3245

Tritanomaly

85.1393, 86.2265, 92.2768

Monochromacy



Original Color

81.6517, 86.0929, 75.2649

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.3353, 85.6835, 86.3805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6517, 86.0929, 75.2649 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(249, 238, 213) looks like.

```
.text, #text, p{  
    color:rgb(249, 238, 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(249, 238, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 238, 213) }
```

Border

The CSS property to change the border of an element to XYZ 81.6517, 86.0929, 75.2649 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(249, 238, 213) }
```


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

```
.border{ border-color:rgb(249, 238, 213) }
```

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

Here you see how a box with a 4 pixel rgb(249, 238, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 238, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 238, 213);  
box-shadow:4px 4px 4px 4px rgb(249, 238,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6517, 86.0929, 75.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 238, 213) }
```

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

```
.background{ background-color: rgb(249,  
238, 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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