

Converting Colors

XYZ(81.1932, 85.0413, 64.9590)

Have a look what the booklet for
XYZ(81.1932, 85.0413, 64.9590)
contains.

XYZ(81.3135, 85.2821, 64.9987)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.3135, 85.2821,
64.9987)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECC5
RGB	255, 236, 197
RGB Percent	100%, 93%, 77%
CMY	0.0000, 0.0745, 0.2274
CMYK	0.00, 0.07, 0.23, 0.00
HSL	40°, 100%, 89%
HSV	40°, 23%, 100%
XYZ	81.3135, 85.2821, 64.9987
YIQ	237.2350, 23.8430, -8.1010

Conversions

Conversions Part 2

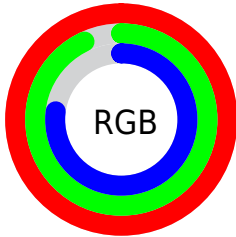
Format	Color
R _Y B	225, 255, 197
Decimal	16772293
CIE Lab	94.00, 0.50, 21.26
CIE LCh	94, 21.268, 88.660
Yxy	85.2821, 0.3511, 0.3682
Android (android.graphics.Color)	4294962373 (0xFFFFECC5)
YUV	237.2350, -19.8359, 15.5799
Hunter-Lab	92.3483, -4.4387, 22.9130

Details

The XYZ color **81.3135, 85.2821, 64.9987** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.6312, 68.2001, 104.3125**, and the grayscale version is **80.8142, 85.0228, 92.5899**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **44.5679, 46.6315, 32.6384** is the 20% darker color. If you saturate the color by 10%, you get **76.2873, 79.5168, 50.1069**, and if you desaturate by 10%, it is **86.9505, 91.4774, 82.5346**.

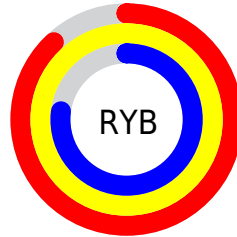
Distribution



Red (100%)

Green (93%)

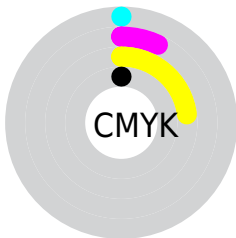
Blue (77%)



Red (88%)

Yellow (100%)

Blue (77%)

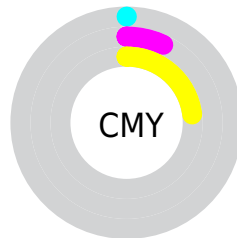


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3135, 85.2821, 64.9987 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 81.3135, 85.2821, 64.9987 by changing the saturation by 10% instead.


 81.3135, 85.2821,
64.9987

 81.3135, 85.2821,
64.9987


488.0179,
512.5611, 461.0934

 61.1120, 64.0745,
47.0087


134.1517,
140.7672, 113.6612

 44.5684, 46.7110,
32.6881


167.5192,
175.8136, 145.1709

 31.3175, 32.8073,
21.6185

206.0060,
216.2416, 182.0241

 20.9937, 21.9788,
13.3812

249.9775,
262.4357, 224.6395

 13.2319, 13.8413,
7.5578

299.7991,
314.7803, 273.4356

 7.6665, 8.0104,
3.7296

355.8361,

 3.9323, 4.1016,

373.6598, 328.8309

1.4782

418.4539,
439.4586, 391.2440

■ 1.6639, 1.7306,
0.2016

■ 0.4335, 0.4433,
0.0000

■ 81.3135, 85.2821,
64.9987

■ 81.3135, 85.2821,
64.9987

■ 76.2873, 79.5168,
50.1069

■ 86.9505, 91.4774,
82.5346

■ 71.8395, 74.1574,
37.7224

■ 93.2168, 98.1039,
102.8314

■ 67.9434, 69.1937,
27.7041

■ 95.0500, 100.0000,
108.9000

■ 64.5678, 64.6106,
19.8949

■ 61.6776, 60.3915,
14.1182

■ 59.2326, 56.5178,
10.1702

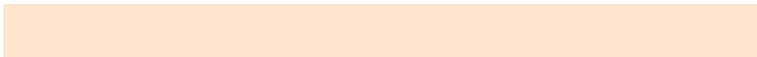
■ 57.1842, 52.9672,
7.8038

■ 55.8957, 50.5714,
6.8152

Harmonies

Analogous

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



86.8646, 85.2821, 68.6515



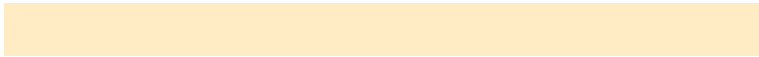
81.3135, 85.2821, 64.9987



75.9386, 85.2821, 68.0558

Triad

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



81.3135, 85.2821, 64.9987



71.8589, 85.2821, 108.6596



90.7353, 85.2821, 110.0711

Complementary

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



81.3135, 85.2821, 64.9987



65.6312, 68.2001, 104.3125

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.



86.4026, 85.2821, 123.0538



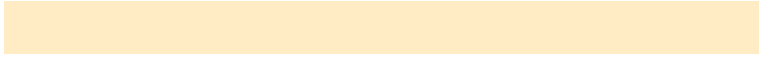
81.3135, 85.2821, 64.9987



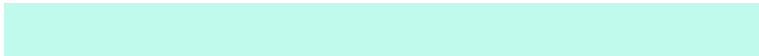
75.5163, 85.2821, 122.1743

Square

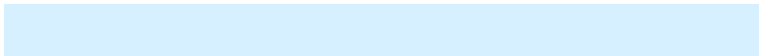
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3135, 85.2821, 64.9987



70.6354, 85.2821, 92.1289



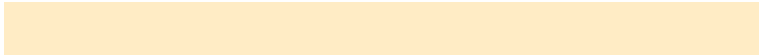
80.8032, 85.2821, 127.7185



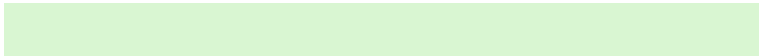
92.4586, 85.2821, 93.5904

Rectangle

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



81.3135, 85.2821, 64.9987



73.1416, 85.2821, 73.7148



80.8032, 85.2821, 127.7185



89.5261, 85.2821, 115.0572

Sweetspot

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



81.3155, 85.2858, 65.0005



90.4714, 95.2300, 93.8486



73.6447, 66.1686, 74.0831



19.2833, 20.2973, 19.8237



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

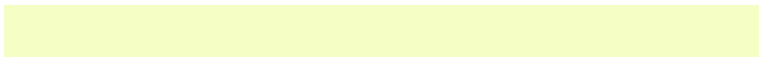
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3155, 85.2858, 65.0005



79.1030, 82.7798, 58.3470



83.6110, 95.0238, 66.7591



19.0305, 20.0291, 19.0073



29.3488, 26.7088, 3.6085



2.9574, 2.8001, 0.3846

Inverse Universe

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



65.6312, 68.2001, 104.3125



61.0625, 63.1306, 103.5748



63.6562, 60.3710, 102.9055



17.4888, 18.3492, 22.8699



11.1887, 7.2870, 50.2514



1.1842, 0.8992, 4.9244

Previews

White Background



This preview shows how the XYZ color 81.3135, 85.2821, 64.9987 looks on a white background.

Color Contrast Check

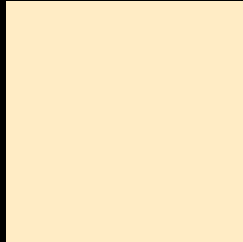
Large Text (above 18pt) WCAG AA × Fail

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 81.3135, 85.2821, 64.9987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

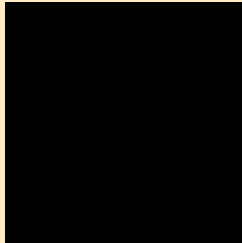
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.3135, 85.2821, 64.9987

Background



This preview shows how black text looks on a background with the XYZ color 81.3135, 85.2821, 64.9987.



This preview shows how white text looks on a background with the XYZ color 81.3135, 85.2821,

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

81.3135, 85.2821, 64.9987

Protanopia

80.2609, 85.1548, 65.6324

Deuteranopia

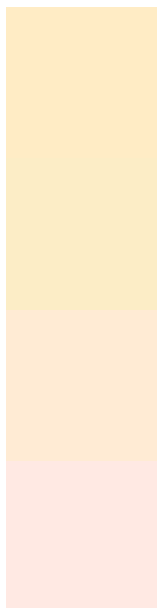
83.7140, 85.3261, 80.4640



Tritanopia

86.4257, 85.5049, 97.5369

Trichromacy



Original Color

81.3135, 85.2821, 64.9987

Protanomaly

80.6221, 85.3410, 65.6493

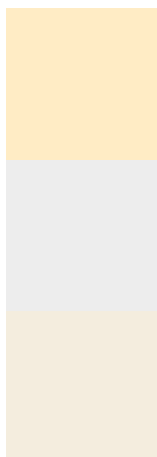
Deuteranomaly

82.8320, 85.4301, 74.4113

Tritanomaly

84.2440, 85.0839, 84.6557

Monochromacy



Original Color

81.3135, 85.2821, 64.9987

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.7772, 85.0754, 81.2710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3135, 85.2821, 64.9987 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, 236, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 197)  
}
```

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, 236, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 197) }
```

Border

The CSS property to change the border of an element to XYZ 81.3135, 85.2821, 64.9987 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, 236, 197) }
```


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

```
.border{ border-color:rgb(255, 236, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3135, 85.2821, 64.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 197) }
```

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

```
.background{ background-color: rgb(255,  
236, 197) }
```

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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