

Converting Colors

XYZ(81.7053, 85.7151, 66.2103)

Have a look what the booklet for
XYZ(81.7053, 85.7151, 66.2103)
contains.

XYZ(81.8330, 85.9519, 66.3101)	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(81.8330, 85.9519,
66.3101)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDC7
RGB	255, 237, 199
RGB Percent	100%, 93%, 78%
CMY	0.0000, 0.0706, 0.2196
CMYK	0.00, 0.07, 0.22, 0.00
HSL	41°, 100%, 89%
HSV	41°, 22%, 100%
XYZ	81.8330, 85.9519, 66.3101
YIQ	238.0500, 22.9260, -8.0020

Conversions

Conversions Part 2

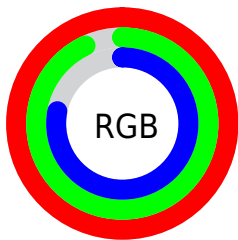
Format	Color
R _Y B	226, 255, 199
Decimal	16772551
CIE _{Lab}	94.29, 0.27, 20.63
CIE _{LCh}	94, 20.634, 89.256
Y _{xy}	85.9519, 0.3496, 0.3672
Android (android.graphics.Color)	4294962631 (0xFFFFEDC7)
Y _{UV}	238.0500, -19.2516, 14.8652
Hunter-Lab	92.7102, -4.6855, 22.4906

Details

The XYZ color **81.8330, 85.9519, 66.3101** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.4154, 68.9858, 104.4229**, and the grayscale version is **81.4405, 85.6817, 93.3074**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9234, 47.0978, 33.5111** is the 20% darker color. If you saturate the color by 10%, you get **76.7990, 80.2315, 51.2288**, and if you desaturate by 10%, it is **87.4757, 92.0951, 84.0441**.

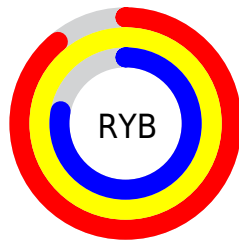
Distribution



Red (100%)

Green (93%)

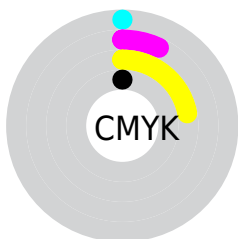
Blue (78%)



Red (89%)

Yellow (100%)

Blue (78%)

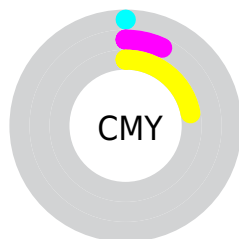


Cyan (0%)

Magenta (7%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8330, 85.9519, 66.3101 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 81.8330, 85.9519, 66.3101 by changing the saturation by 10% instead.


 81.8330, 85.9519,
66.3101

 81.8330, 85.9519,
66.3101

489.7319,
514.7726, 465.9195

 61.5415, 64.6282,
48.0661


134.8768,
141.7024, 115.5625

 44.9165, 47.1597,
33.5189


168.3599,
176.8979, 147.4081

 31.5927, 33.1619,
22.2499

206.9709,
217.4862, 184.6245

 21.2046, 22.2505,
13.8405

251.0751,
263.8516, 227.6304

 13.3870, 14.0411,
7.8724

301.0380,
316.3786, 276.8443

 7.7744, 8.1492,
3.9268

357.2248,

 4.0015, 4.1906,

375.4515, 332.6848

1.5853

420.0010,
441.4547, 395.5704

■ 1.7030, 1.7807,
0.2803

■ 0.4581, 0.4751,
0.0000

■ 81.8330, 85.9519,
66.3101

■ 81.8330, 85.9519,
66.3101

■ 76.7990, 80.2315,
51.2288

■ 87.4757, 92.0951,
84.0441

■ 72.3413, 74.9099,
38.6640

■ 93.7454, 98.6618,
104.5467

■ 68.4339, 69.9773,
28.4759

■ 95.0500, 100.0000,
108.9000

■ 65.0456, 65.4188,
20.5085

■ 62.1418, 61.2181,
14.5871

■ 59.6830, 57.3568,
10.5103

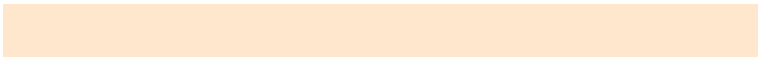
■ 57.6214, 53.8135,
8.0356

■ 56.1954, 51.1709,
6.9151

Harmonies

Analogous

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



87.2543, 85.9519, 69.7695



81.8330, 85.9519, 66.3101



76.6056, 85.9519, 69.4446

Triad

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



81.8330, 85.9519, 66.3101



72.7610, 85.9519, 109.2789



91.1825, 85.9519, 110.0410

Complementary

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



81.8330, 85.9519, 66.3101



66.4154, 68.9858, 104.4229

Split Complementary

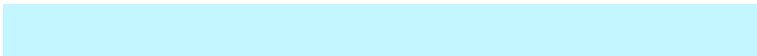
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0044, 85.9519, 122.7619



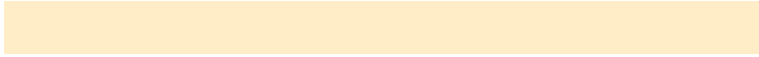
81.8330, 85.9519, 66.3101



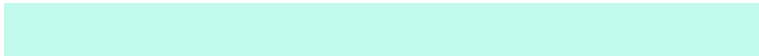
76.3764, 85.9519, 122.2882

Square

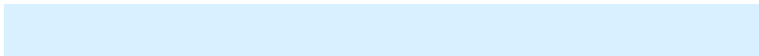
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8330, 85.9519, 66.3101



71.5130, 85.9519, 93.1917



81.5566, 85.9519, 127.4743



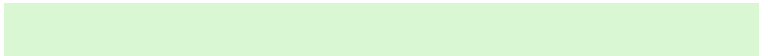
92.7997, 85.9519, 93.9834

Rectangle

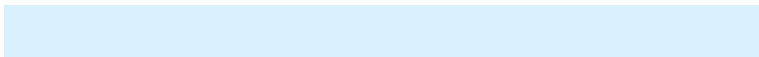
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8330, 85.9519, 66.3101



73.8975, 85.9519, 75.0778



81.5566, 85.9519, 127.4743



90.0219, 85.9519, 114.9127

Sweetspot

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



81.8350, 85.9556, 66.3119



90.5054, 95.2981, 93.8599



74.2753, 67.1523, 75.1490



19.2912, 20.3131, 19.8263



0.0000, 0.0000, 0.0000



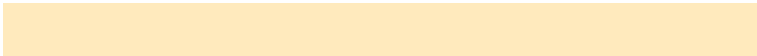
20.3446, 21.4041, 23.3091

Same Dimension

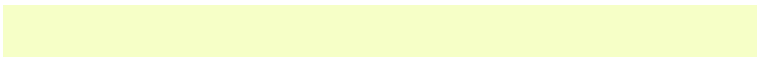
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8350, 85.9556, 66.3119



79.7291, 83.5938, 59.9066



83.9583, 95.1763, 67.9797



19.0403, 20.0487, 19.0106



29.5044, 27.0199, 3.6603



2.9717, 2.8287, 0.3894

Inverse Universe

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



66.4154, 68.9858, 104.4229



62.0095, 64.0956, 103.7112



64.5805, 61.5262, 103.0797



17.4795, 18.3305, 22.8668



11.1246, 7.1587, 50.2300



1.1771, 0.8849, 4.9220

Previews

White Background



This preview shows how the XYZ color 81.8330, 85.9519, 66.3101 looks on a white background.

Color Contrast Check

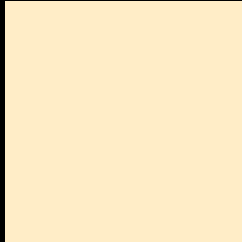
Large Text (above 18pt) WCAG AA × Fail

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 81.8330, 85.9519, 66.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

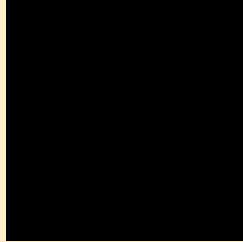
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8330, 85.9519, 66.3101

Background



This preview shows how black text looks on a background with the XYZ color 81.8330, 85.9519, 66.3101.



This preview shows how white text looks on a background with the XYZ color 81.8330, 85.9519,

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

81.8330, 85.9519, 66.3101

Protanopia

81.1447, 86.0146, 66.9693

Deuteranopia

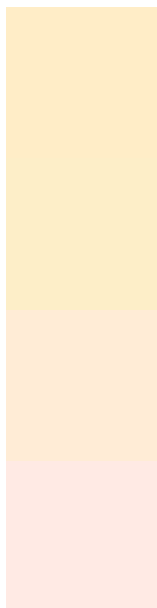
84.2676, 86.0044, 81.9712



Tritanopia

86.8603, 86.1304, 98.4330

Trichromacy



Original Color

81.8330, 85.9519, 66.3101

Protanomaly

81.5079, 86.2018, 66.9863

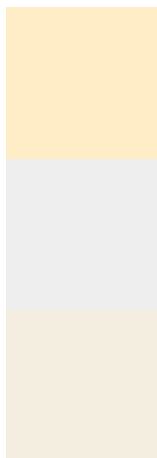
Deuteranomaly

83.3731, 86.1059, 75.8442

Tritanomaly

84.6664, 85.7071, 85.4795

Monochromacy



Original Color

81.8330, 85.9519, 66.3101

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.3373, 85.7640, 82.7882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8330, 85.9519, 66.3101 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, 237, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 199)  
}
```

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, 237, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 199) }
```

Border

The CSS property to change the border of an element to XYZ 81.8330, 85.9519, 66.3101 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, 237, 199) }
```


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

```
.border{ border-color:rgb(255, 237, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8330, 85.9519, 66.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 199) }
```

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

```
.background{ background-color: rgb(255,  
237, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor