

# Converting Colors

XYZ(81.9853, 88.5829, 84.3020)

Have a look what the booklet for  
XYZ(81.9853, 88.5829, 84.3020)  
contains.

<b>XYZ(81.8765, 88.6629, 84.0325)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(81.8765, 88.6629,  
84.0325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F4E1
RGB	240, 244, 225
RGB Percent	94%, 96%, 88%
CMY	0.0588, 0.0431, 0.1176
CMYK	0.02, 0.00, 0.08, 0.04
HSL	73°, 46%, 92%
HSV	73°, 8%, 96%
XYZ	81.8765, 88.6629, 84.0325
YIQ	240.6380, 3.7150, -6.7570

# Conversions

## Conversions Part 2

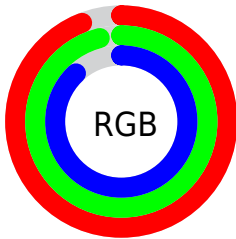
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	225, 244, 229
Decimal	15791329
CIE Lab	95.44, -4.59, 8.68
CIE LCh	95, 9.824, 117.882
Yxy	88.6629, 0.3216, 0.3483
Android (android.graphics.Color)	4293981409 (0xFFFF0F4E1)
<b>YUV</b>	240.6380, -7.7095, -0.5595
Hunter-Lab	94.1610, -9.5693, 13.0002

# Details

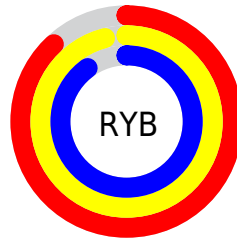
The XYZ color **81.8765, 88.6629, 84.0325** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.5709, 77.0425, 96.4803**, and the grayscale version is **83.3833, 87.7257, 95.5333**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0061, 49.0591, 45.1275** is the 20% darker color. If you saturate the color by 10%, you get **77.0628, 86.5415, 67.6553**, and if you desaturate by 10%, it is **87.2203, 91.0078, 102.9213**.

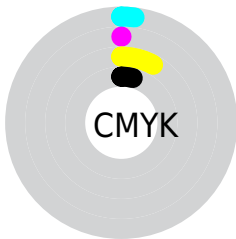
# Distribution



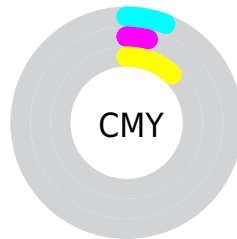
- Red (94%)
- Green (96%)
- Blue (88%)



- Red (88%)
- Yellow (96%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8765, 88.6629, 84.0325 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 81.8765, 88.6629, 84.0325 by changing the saturation by 10% instead.



81.8765, 88.6629,  
84.0325

81.8765, 88.6629,  
84.0325

489.8753,  
523.6717, 528.4820

61.5775, 66.8722,  
62.4967

134.9375,  
145.4797, 140.8828

44.9457, 48.9808,  
44.9958

168.4303,  
181.2746, 177.0343

31.6158, 34.6042,  
31.1112

207.0516,  
222.5063, 218.8949

21.2223, 23.3582,  
20.4244

251.1670,  
269.5593, 266.8831

13.4000, 14.8582,  
12.5168

301.1417,  
322.8180, 321.4173

7.7834, 8.7199,  
6.9698

357.3410,

4.0073, 4.5590,

382.6666, 382.9162

3.3651

420.1304,  
449.4897, 451.7983

■ 1.7063, 1.9909,  
1.2839

■ 0.4602, 0.6022,  
0.0486

■ 81.8765, 88.6629,  
84.0325

■ 81.8765, 88.6629,  
84.0325

■ 77.0628, 86.5415,  
67.6553

■ 87.2203, 91.0078,  
102.9213

■ 72.7514, 84.6238,  
53.6781

■ 89.9290, 92.3016,  
107.6840

■ 68.9229, 82.9048,  
41.9896

■ 91.6425, 93.1849,  
107.7642

■ 65.5535, 81.3751,  
32.4674

■ 62.6175, 80.0243,  
24.9776

■ 60.0863, 78.8409,  
19.3716

■ 57.9272, 77.8117,  
15.4805

■ 56.1021, 76.9215,  
13.1052

■ 54.5597, 76.1497,  
11.9777

# Harmonies

## Analogous

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



84.4627, 88.6629, 82.4842



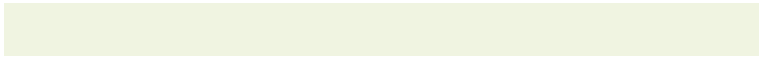
81.8765, 88.6629, 84.0325



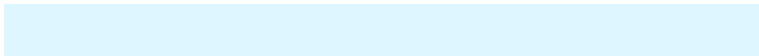
79.9677, 88.6629, 88.8780

# Triad

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



81.8765, 88.6629, 84.0325



81.5522, 88.6629, 109.6314



89.5447, 88.6629, 97.0872

# Complementary

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



81.8765, 88.6629, 84.0325



75.5709, 77.0425, 96.4803

# Split Complementary

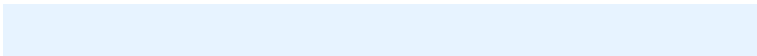
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7269, 88.6629, 104.6277



81.8765, 88.6629, 84.0325



84.0805, 88.6629, 112.1056

# Square

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



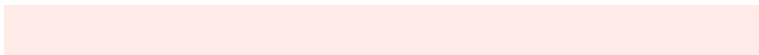
81.8765, 88.6629, 84.0325



79.7833, 88.6629, 103.6306



86.7126, 88.6629, 110.2282



88.9248, 88.6629, 89.7782



# Rectangle

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



81.8765, 88.6629, 84.0325



79.3165, 88.6629, 93.4634



86.7126, 88.6629, 110.2282



89.4285, 88.6629, 99.6809

# Sweetspot

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



81.8789, 88.6667, 84.0344



93.8454, 99.4726, 104.6142



78.8659, 80.6000, 82.6362



20.0994, 21.2968, 22.4366



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.



81.8789, 88.6667, 84.0344



89.8157, 97.7033, 90.5060



78.8026, 87.0808, 83.8904



17.5528, 19.1270, 17.5643



29.6095, 41.3770, 6.4260



2.6859, 3.6797, 0.5687



# Inverse Universe

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



75.5709, 77.0425, 96.4803



81.8077, 82.9463, 106.3062



78.6180, 78.6134, 96.6229



15.9075, 16.0949, 20.8108



9.7242, 3.9873, 46.7951

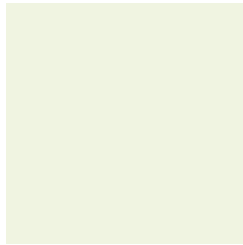


0.9371, 0.3929, 4.1167



# Previews

## White Background



This preview shows how the XYZ color 81.8765, 88.6629, 84.0325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

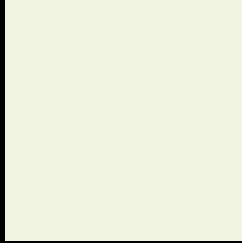
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.8765, 88.6629, 84.0325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

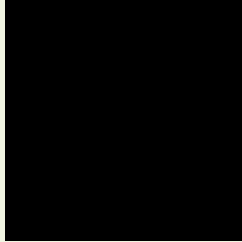
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

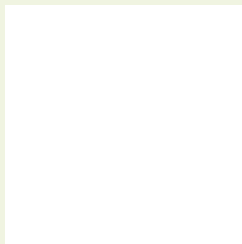
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.8765, 88.6629, 84.0325

## Background



This preview shows how black text looks on a background with the XYZ color 81.8765, 88.6629, 84.0325.



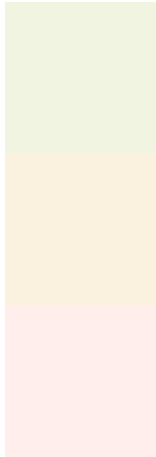
This preview shows how white text looks on a background with the XYZ color 81.8765, 88.6629,

84.0325.

# 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

81.8765, 88.6629, 84.0325

### Protanopia

84.1989, 88.5623, 82.4685

### Deuteranopia

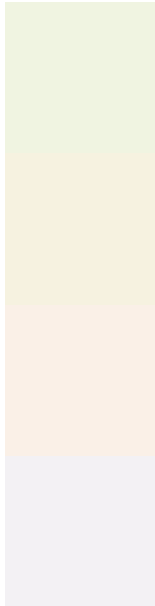
86.8099, 88.4072, 91.0862



## Tritanopia

86.5183, 88.7733, 107.1827

# Trichromacy



## Original Color

81.8765, 88.6629, 84.0325

## Protanomaly

83.2127, 88.4789, 83.2134

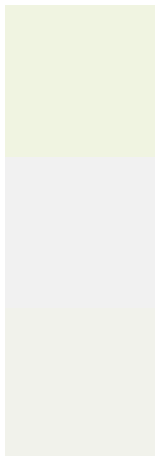
## Deuteranomaly

85.0082, 88.4137, 88.1864

## Tritanomaly

84.7466, 88.4969, 98.2029

# Monochromacy



## Original Color

81.8765, 88.6629, 84.0325

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.0232, 88.2032, 91.2464

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.8765, 88.6629, 84.0325 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, 244, 225) looks like.

```
.text, #text, p{  
    color:rgb(240, 244, 225)  
}
```

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, 244, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 244, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 81.8765, 88.6629, 84.0325 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, 244, 225) }
```



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

```
.border{ border-color:rgb(240, 244, 225) }
```

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

Here you see how a box with a 4 pixel rgb(240, 244, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 244, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 244, 225);  
box-shadow:4px 4px 4px 4px rgb(240, 244,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.8765, 88.6629, 84.0325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 244, 225) }
```

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

```
.background{ background-color: rgb(240,  
244, 225) }
```

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