

# Converting Colors

XYZ(81.1692, 83.7095, 78.0139)

Have a look what the booklet for  
XYZ(81.1692, 83.7095, 78.0139)  
contains.

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# **Color**

**XYZ(81.2181, 83.6638,  
78.1977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE9DA
RGB	250, 233, 218
RGB Percent	98%, 91%, 85%
CMY	0.0196, 0.0863, 0.1451
CMYK	0.00, 0.07, 0.13, 0.02
HSL	28°, 76%, 92%
HSV	28°, 13%, 98%
XYZ	81.2181, 83.6638, 78.1977
YIQ	236.3730, 14.9470, -1.0610

# Conversions

## Conversions Part 2

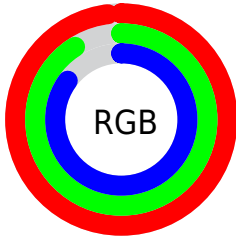
Format	Color
R <sub>YB</sub>	250, 246, 218
Decimal	16443866
CIE Lab	93.30, 3.33, 9.35
CIE LCh	93, 9.926, 70.397
Yxy	83.6638, 0.3341, 0.3442
Android (android.graphics.Color)	4294633946 (0xFFFAE9DA)
YUV	236.3730, -9.0579, 11.9509
Hunter-Lab	91.4679, -1.5714, 13.3394

# Details

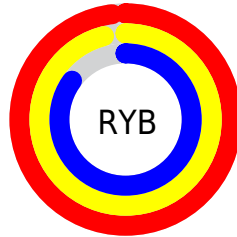
The XYZ color **81.2181, 83.6638, 78.1977** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.8766, 81.2224, 102.1215**, and the grayscale version is **80.0758, 84.2460, 91.7438**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3253, 45.4261, 41.0822** is the 20% darker color. If you saturate the color by 10%, you get **74.5725, 75.2186, 61.0413**, and if you desaturate by 10%, it is **88.6446, 92.8795, 98.0509**.

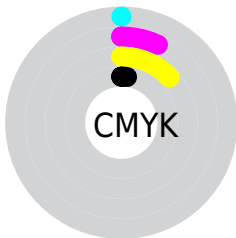
# Distribution



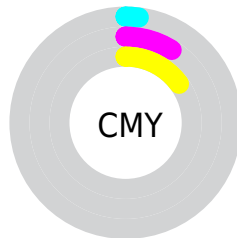
- Red (98%)
- Green (91%)
- Blue (85%)



- Red (98%)
- Yellow (96%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (13%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2181, 83.6638, 78.1977 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 81.2181, 83.6638, 78.1977 by changing the saturation by 10% instead.




 81.2181, 83.6638,  
78.1977

 81.2181, 83.6638,  
78.1977


487.7027,  
507.1961, 508.3837

 61.0331, 62.7379,  
57.7190


134.0185,  
138.5048, 132.6172

 44.5046, 45.6292,  
41.1696


167.3647,  
173.1887, 167.3950

 31.2670, 31.9533,  
28.1309

205.8287,  
213.2273, 207.7763

 20.9551, 21.3258,  
18.1845

249.7758,  
259.0051, 254.1796

 13.2034, 13.3624,  
10.9117

299.5714,  
310.9066, 307.0235

 7.6467, 7.6786,  
5.8941

355.5808,

 3.9196, 3.8900,

369.3159, 366.7264

2.7130

418.1695,  
434.6177, 433.7070

■ 1.6568, 1.6122,  
0.9500

■ 0.4290, 0.3658,  
0.0000

■ 81.2181, 83.6638,  
78.1977

■ 81.2181, 83.6638,  
78.1977

■ 74.5725, 75.2186,  
61.0413

■ 88.6446, 92.8795,  
98.0509

■ 68.6728, 67.5116,  
46.4581

■ 93.2346, 99.0641,  
108.8150

■ 63.4911, 60.5242,  
34.3232

■ 58.9951, 54.2329,  
24.4986

■ 55.1495, 48.6125,  
16.8327

■ 51.9153, 43.6359,  
11.1554

■ 49.2481, 39.2735,  
7.2705

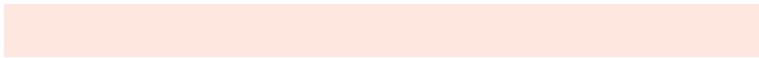
■ 47.0956, 35.4915,  
4.9406

■ 45.8123, 33.0995,  
3.9743

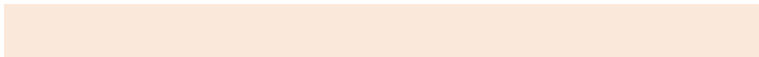
# Harmonies

## Analogous

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



83.4093, 83.6638, 82.0821



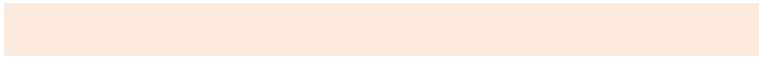
81.2181, 83.6638, 78.1977



78.6164, 83.6638, 77.6588

# Triad

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



81.2181, 83.6638, 78.1977



74.6782, 83.6638, 93.7180



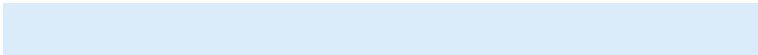
82.8218, 83.6638, 102.5033

# Complementary

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



81.2181, 83.6638, 78.1977



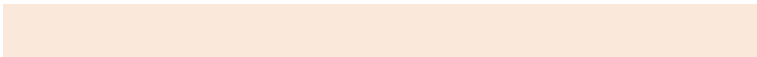
75.8766, 81.2224, 102.1215

# 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.



80.4304, 83.6638, 105.9993



81.2181, 83.6638, 78.1977



75.7534, 83.6638, 100.7461

# Square

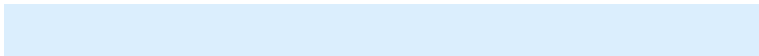
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2181, 83.6638, 78.1977



74.8787, 83.6638, 86.3513



77.8456, 83.6638, 105.3392



84.3491, 83.6638, 96.0107



# Rectangle

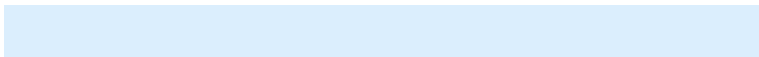
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2181, 83.6638, 78.1977



77.0039, 83.6638, 79.2358



77.8456, 83.6638, 105.3392



82.0902, 83.6638, 104.0836

# Sweetspot

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



81.2204, 83.6675, 78.1995



91.7470, 95.9526, 99.9113



79.5017, 76.4699, 89.2187



19.5079, 20.3780, 21.0346



0.0000, 0.0000, 0.0000

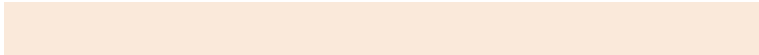


20.3446, 21.4041, 23.3091



# Same Dimension

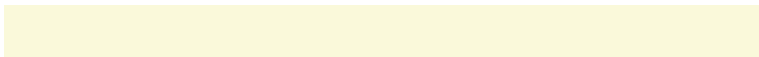
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2204, 83.6675, 78.1995



83.3503, 85.4935, 77.5841



85.9351, 93.0968, 79.7710



17.9157, 18.5672, 18.1020



24.4414, 17.8394, 2.1551

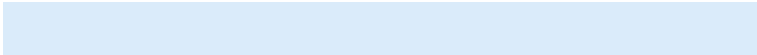


2.3688, 1.8624, 0.2346

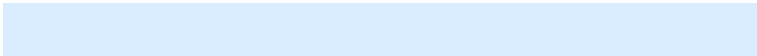


# Inverse Universe

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



75.8766, 81.2224, 102.1215



76.8939, 82.5391, 106.4866



71.5187, 72.5065, 100.6688



17.0463, 18.1694, 21.9939



13.7309, 12.8173, 49.7238

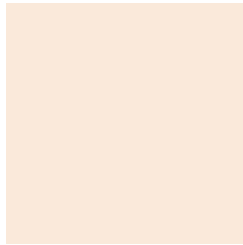


1.3779, 1.3994, 4.6407



# Previews

## White Background



This preview shows how the XYZ color 81.2181, 83.6638, 78.1977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

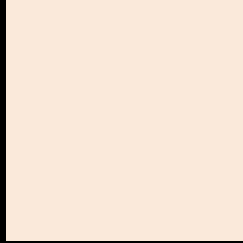
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2181, 83.6638, 78.1977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

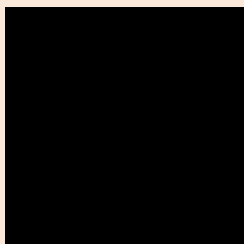
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

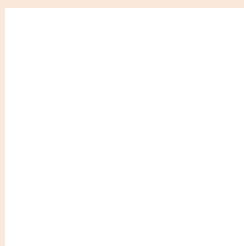
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.2181, 83.6638, 78.1977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.2181, 83.6638, 78.1977.



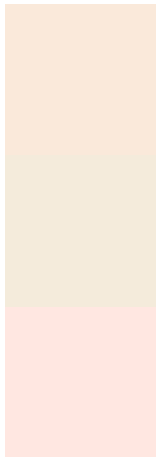
This preview shows how white text looks on a background with the XYZ color 81.2181, 83.6638,



# 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

81.2181, 83.6638, 78.1977

### Protanopia

79.8027, 83.7642, 78.9799

### Deuteranopia

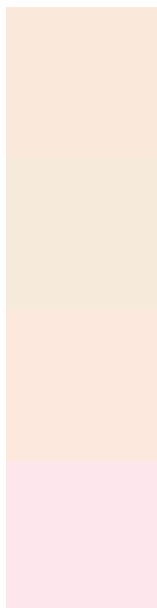
83.4065, 83.8481, 83.0225



## Tritanopia

85.6809, 83.8249, 99.6596

# Trichromacy



## Original Color

81.2181, 83.6638, 78.1977

## Protanomaly

80.2150, 83.5529, 78.9174

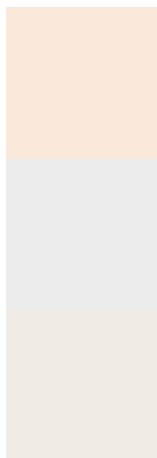
## Deuteranomaly

82.5494, 83.8698, 80.9449

## Tritanomaly

83.9451, 83.5324, 91.0559

# Monochromacy



## Original Color

81.2181, 83.6638, 78.1977

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.1268, 83.7746, 86.0757

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2181, 83.6638, 78.1977 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(250, 233, 218) looks like.

```
.text, #text, p{  
    color:rgb(250, 233, 218)  
}
```

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(250, 233, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 233, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2181, 83.6638, 78.1977 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(250, 233, 218) }
```



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

```
.border{ border-color:rgb(250, 233, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 233, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 233, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 233, 218);  
box-shadow:4px 4px 4px 4px rgb(250, 233,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2181, 83.6638, 78.1977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 233, 218) }
```

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

```
.background{ background-color: rgb(250,  
233, 218) }
```

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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