

# Converting Colors

XYZ(78.5845, 84.1182, 80.9291)

Have a look what the booklet for  
XYZ(78.5845, 84.1182, 80.9291)  
contains.

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# Color

**XYZ(78.3941, 83.8468,  
81.1595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEDDE
RGB	237, 237, 222
RGB Percent	93%, 93%, 87%
CMY	0.0706, 0.0706, 0.1294
CMYK	0.00, 0.00, 0.06, 0.07
HSL	60°, 29%, 90%
HSV	60°, 6%, 93%
XYZ	78.3941, 83.8468, 81.1595
YIQ	235.2900, 4.8150, -4.6650

# Conversions

## Conversions Part 2

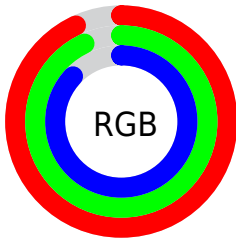
Format	Color
R <sub>Y</sub> B	222, 237, 222
Decimal	15592926
CIE Lab	93.38, -2.58, 7.25
CIE LCh	93, 7.699, 109.558
Yxy	83.8468, 0.3221, 0.3445
Android (android.graphics.Color)	4293783006 (0xFFEDEDDE)
YUV	235.2900, -6.5520, 1.4997
Hunter-Lab	91.5679, -7.4245, 11.5469

# Details

The XYZ color **78.3941, 83.8468, 81.1595** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **71.5347, 73.8888, 90.6168**, and the grayscale version is **79.2343, 83.3607, 90.7798**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5550, 45.6615, 43.1299** is the 20% darker color. If you saturate the color by 10%, you get **75.4370, 82.6664, 65.5887**, and if you desaturate by 10%, it is **81.8025, 85.2131, 99.0858**.

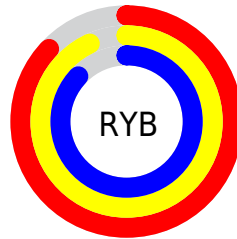
# Distribution



Red (93%)

Green (93%)

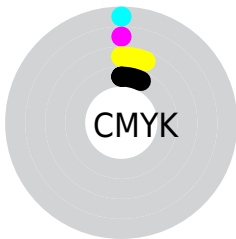
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

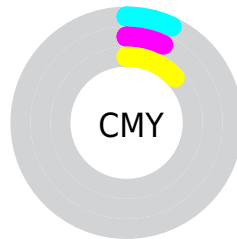


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3941, 83.8468, 81.1595 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 78.3941, 83.8468, 81.1595 by changing the saturation by 10% instead.



78.3941, 83.8468,  
81.1595

78.3941, 83.8468,  
81.1595

478.3236,  
507.8044, 518.6413

58.7017, 62.8890,  
60.1412

130.0680,  
138.7609, 136.8208

42.6185, 45.7514,  
43.1064

162.7801,  
173.4859, 172.3009

29.7791, 32.0497,  
29.6366

200.5629,  
213.5687, 213.4386

19.8182, 21.3994,  
19.3132

243.7816,  
259.3938, 260.6526

12.3705, 13.4163,  
11.7177

292.8017,  
311.3455, 314.3613

7.0705, 7.7158,  
6.4316

347.9885,

3.5530, 3.9137,

369.8082, 374.9833

3.0362

409.7073,  
435.1664, 442.9371

■ 1.4525, 1.6254,  
1.1132

■ 0.2932, 0.3746,  
0.0000

■ 78.3941, 83.8468,  
81.1595

■ 78.3941, 83.8468,  
81.1595

■ 75.4370, 82.6664,  
65.5887

■ 81.8025, 85.2131,  
99.0858

■ 72.9056, 81.6536,  
52.2703

■ 83.2658, 85.7987,  
106.7800

■ 70.7825, 80.8041,  
41.1017

■ 83.2680, 85.7999,  
106.7801

■ 69.0463, 80.1094,  
31.9704

■ 83.2702, 85.8010,  
106.7802

67.6736, 79.5600,  
24.7535

83.2725, 85.8021,  
106.7803

66.6386, 79.1458,  
19.3149

83.2747, 85.8033,  
106.7804

65.9120, 78.8549,  
15.5005

83.2769, 85.8044,  
106.7805

65.4597, 78.6737,  
13.1304

83.2791, 85.8056,  
106.7806

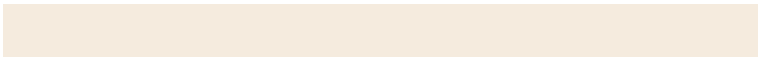
65.2390, 78.5852,  
11.9797

83.2814, 85.8067,  
106.7807

# Harmonies

## Analogous

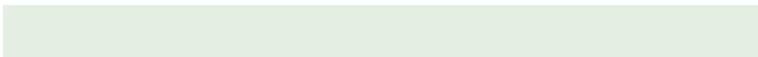
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4035, 83.8468, 80.7350



78.3941, 83.8468, 81.1595



76.7595, 83.8468, 84.2327

# Triad

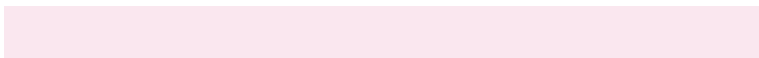
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3941, 83.8468, 81.1595



77.1882, 83.8468, 100.0712



83.5951, 83.8468, 93.3363

# Complementary

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



78.3941, 83.8468, 81.1595



71.5347, 73.8888, 90.6168

# Split Complementary

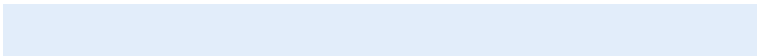
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7021, 83.8468, 98.7412



78.3941, 83.8468, 81.1595



78.9884, 83.8468, 102.7377

# Square

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



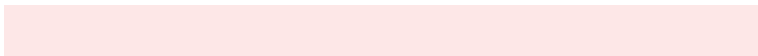
78.3941, 83.8468, 81.1595



76.0715, 83.8468, 95.0892



81.0079, 83.8468, 102.2409



83.4294, 83.8468, 87.6030

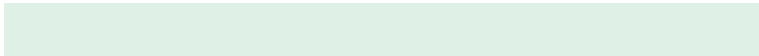


# Rectangle

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



78.3941, 83.8468, 81.1595



76.0915, 83.8468, 87.4454



81.0079, 83.8468, 102.2409



83.4082, 83.8468, 95.2557

# Sweetspot

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



78.3964, 83.8504, 81.1613



94.2391, 99.6756, 104.6327



74.2337, 75.5230, 79.7734



20.1795, 21.3381, 22.4404



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.



78.3964, 83.8504, 81.1613



91.9355, 98.7540, 92.5105



75.9450, 82.5867, 81.0466



16.3516, 17.6268, 16.0592



35.5899, 42.8917, 6.4031



2.7948, 3.3681, 0.5028



# Inverse Universe

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



71.5347, 73.8888, 90.6168



81.7748, 84.0030, 106.5119



73.8827, 75.0993, 90.7267



14.2317, 14.5492, 18.9804



8.3463, 3.3386, 43.9475

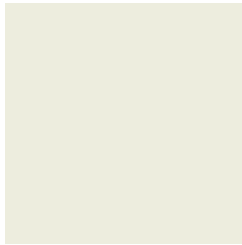


0.6555, 0.2622, 3.4509



# Previews

## White Background



This preview shows how the XYZ color 78.3941, 83.8468, 81.1595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

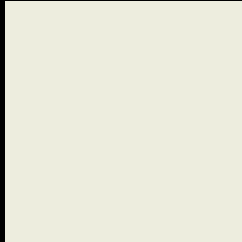
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.3941, 83.8468, 81.1595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

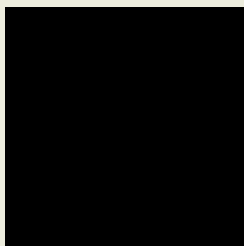
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

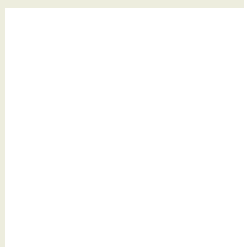
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.3941, 83.8468, 81.1595

## Background



This preview shows how black text looks on a background with the XYZ color 78.3941, 83.8468, 81.1595.



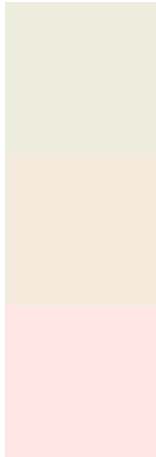
This preview shows how white text looks on a background with the XYZ color 78.3941, 83.8468,

81.1595.

# 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

78.3941, 83.8468, 81.1595

### Protanopia

80.0677, 83.8702, 80.3752

### Deuteranopia

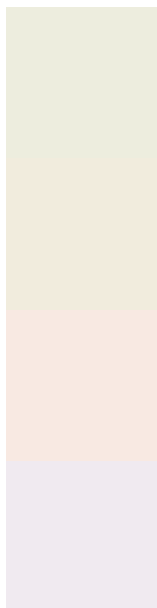
83.5404, 83.4551, 85.1042



## Tritanopia

82.8271, 83.9436, 103.1041

# Trichromacy



## Original Color

78.3941, 83.8468, 81.1595

## Protanomaly

79.3222, 83.9121, 80.4225

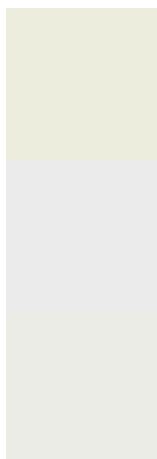
## Deuteranomaly

81.5778, 83.7253, 83.8125

## Tritanomaly

81.0862, 83.6622, 94.3128

# Monochromacy



## Original Color

78.3941, 83.8468, 81.1595

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.8705, 83.5369, 86.8302

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3941, 83.8468, 81.1595 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(237, 237, 222) looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 222)  
}
```

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(237, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3941, 83.8468, 81.1595 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(237, 237, 222) }
```



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

```
.border{ border-color:rgb(237, 237, 222) }
```

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

Here you see how a box with a 4 pixel rgb(237, 237, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3941, 83.8468, 81.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 222) }
```

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

```
.background{ background-color: rgb(237,  
237, 222) }
```

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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