

# Converting Colors

XYZ(78.0350, 79.6200, 87.4371)

Have a look what the booklet for  
XYZ(78.0350, 79.6200, 87.4371)  
contains.

<b>XYZ(78.2441, 79.8383, 87.6304)</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(78.2441, 79.8383,  
87.6304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E4E8
RGB	240, 228, 232
RGB Percent	94%, 89%, 91%
CMY	0.0588, 0.1059, 0.0902
CMYK	0.00, 0.05, 0.03, 0.06
HSL	340°, 29%, 92%
HSV	340°, 5%, 94%
XYZ	78.2441, 79.8383, 87.6304
YIQ	232.0440, 5.8680, 3.7880

# Conversions

## Conversions Part 2

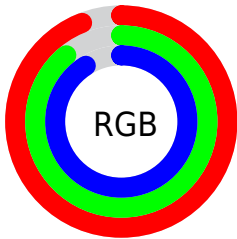
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 228, 232
Decimal	15787240
CIE Lab	91.61, 4.76, -0.50
CIE LCh	92, 4.786, 354.042
Yxy	79.8383, 0.3184, 0.3249
Android (android.graphics.Color)	4293977320 (0xFFFF0E4E8)
YUV	232.0440, -0.0217, 6.9774
Hunter-Lab	89.3523, -0.0574, 4.3992

# Details

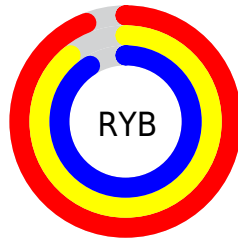
The XYZ color **78.2441, 79.8383, 87.6304** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2984, 84.8724, 91.6163**, and the grayscale version is **76.7337, 80.7299, 87.9148**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5472, 43.2121, 47.1726** is the 20% darker color. If you saturate the color by 10%, you get **69.9240, 66.6716, 74.1467**, and if you desaturate by 10%, it is **87.6923, 94.9278, 102.5137**.

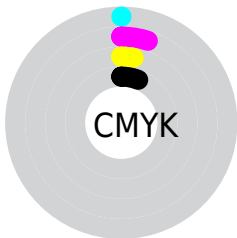
# Distribution



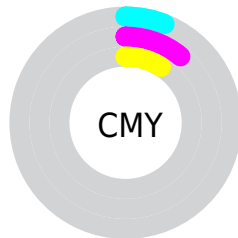
- Red (94%)
- Green (89%)
- Blue (91%)



- Red (94%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (6%)




- Cyan (6%)
- Magenta (11%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2441, 79.8383, 87.6304 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 78.2441, 79.8383, 87.6304 by changing the saturation by 10% instead.




 78.2441, 79.8383,  
87.6304

 78.2441, 79.8383,  
87.6304

477.8226,  
494.3877, 540.6620

 58.5780, 59.5853,  
65.4544


129.8577,  
133.1384, 145.9491

 42.5186, 43.0845,  
47.3760


162.5359,  
166.9542, 182.9289

 29.7004, 29.9514,  
32.9765


200.2823,  
206.0598, 225.6804

 19.7583, 19.8017,  
21.8375

243.4620,  
250.8396, 274.6221

 12.3267, 12.2510,  
13.5404

292.4406,  
301.6778, 330.1726

 7.0404, 6.9148,  
7.6666

347.5833,

 3.5339, 3.4089,

358.9590, 392.7504

3.7977

409.2555,  
423.0675, 462.7740

■ 1.4420, 1.3488,  
1.5150

■ 0.2858, 0.1785,  
0.2291

■ 78.2441, 79.8383,  
87.6304

■ 78.2441, 79.8383,  
87.6304

■ 69.9240, 66.6716,  
74.1467

■ 87.6923, 94.9278,  
102.5137

■ 62.6823, 55.3399,  
62.0159

■ 89.7457, 97.2655,  
108.6518

■ 56.4752, 45.7643,  
51.1962

■ 51.2536, 37.8559,  
41.6416

■ 46.9642, 31.5179,  
33.3031

■ 43.5481, 26.6436,  
26.1286

■ 40.9397, 23.1129,  
20.0612

■ 39.0633, 20.7862,  
15.0389

■ 37.8267, 19.4924,  
10.9910

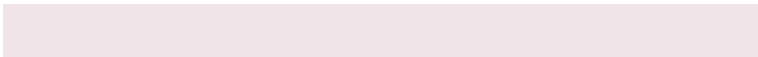
# Harmonies

## Analogous

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



77.8011, 79.8383, 90.9404



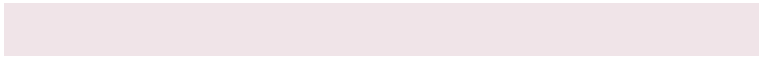
78.2441, 79.8383, 87.6304



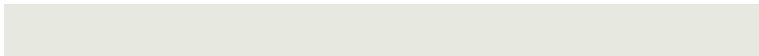
78.0492, 79.8383, 84.2184

# Triad

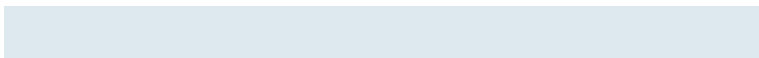
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2441, 79.8383, 87.6304



74.9310, 79.8383, 80.9307



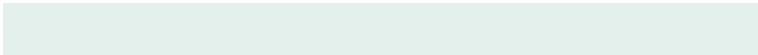
74.5131, 79.8383, 92.4899

# Complementary

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



78.2441, 79.8383, 87.6304



78.2984, 84.8724, 91.6163

# Split Complementary

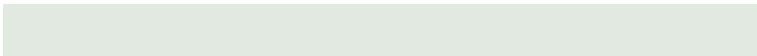
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7590, 79.8383, 89.6998



78.2441, 79.8383, 87.6304



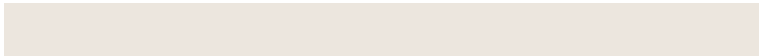
73.9985, 79.8383, 83.0399

# Square

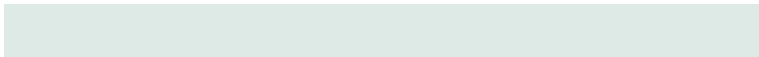
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



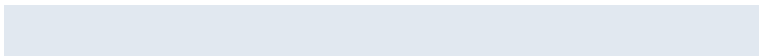
78.2441, 79.8383, 87.6304



76.1280, 79.8383, 80.4100



73.5717, 79.8383, 86.2340



75.6404, 79.8383, 93.7940

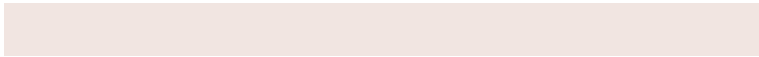


# Rectangle

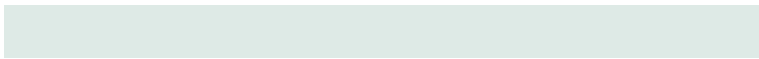
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



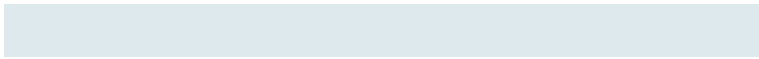
78.2441, 79.8383, 87.6304



77.5849, 79.8383, 82.3372



73.5717, 79.8383, 86.2340



74.2080, 79.8383, 91.6911

# Sweetspot

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



78.2464, 79.8418, 87.6321



93.9693, 98.2747, 107.1950



78.0664, 79.6147, 93.6918



20.1247, 21.0530, 22.9621



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

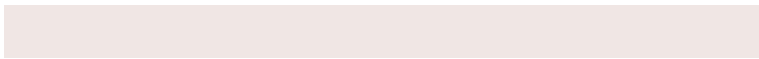
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2464, 79.8418, 87.6321



88.7622, 89.9838, 98.9138



78.2383, 80.7237, 84.8606



16.5116, 16.6727, 18.3437



20.5181, 10.4797, 5.3788



1.7514, 0.8896, 0.6816



# Inverse Universe

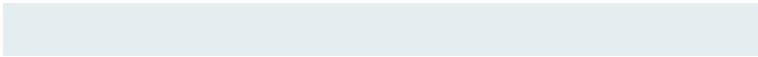
The Inverse Universe completely reimagines the original color for something new.



78.2464, 79.8418, 87.6321



88.7622, 89.9838, 98.9138



78.3003, 83.9366, 94.5137



16.5116, 16.6727, 18.3437



20.5181, 10.4797, 5.3788

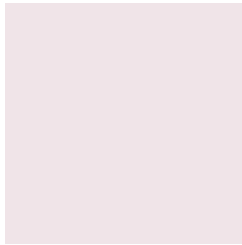


1.7514, 0.8896, 0.6816



# Previews

## White Background



This preview shows how the XYZ color 78.2441, 79.8383, 87.6304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

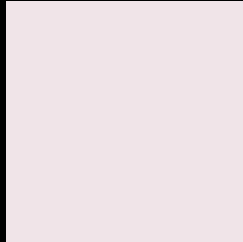
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2441, 79.8383, 87.6304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

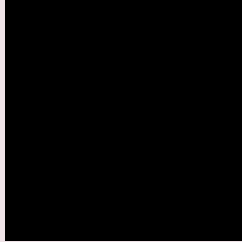
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

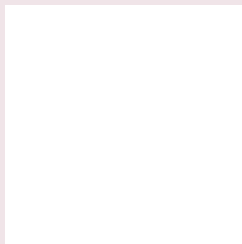
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.2441, 79.8383, 87.6304

## Background



This preview shows how black text looks on a background with the XYZ color 78.2441, 79.8383, 87.6304.



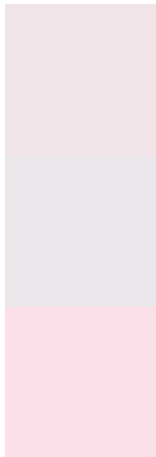
This preview shows how white text looks on a background with the XYZ color 78.2441, 79.8383,

87.6304.

# 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

78.2441, 79.8383, 87.6304

### Protanopia

76.9365, 79.9692, 88.4714

### Deuteranopia

81.5085, 79.8899, 88.2151



## Tritanopia

80.1434, 79.8016, 96.7672

# Trichromacy



## Original Color

78.2441, 79.8383, 87.6304

## Protanomaly

77.3194, 79.7547, 88.4098

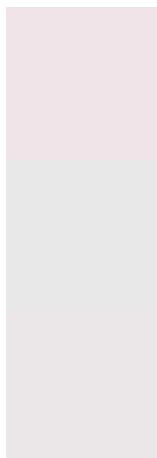
## Deuteranomaly

80.3446, 79.6901, 88.2379

## Tritanomaly

79.4729, 79.9302, 93.6775

# Monochromacy



## Original Color

78.2441, 79.8383, 87.6304

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.4024, 80.6402, 87.8295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2441, 79.8383, 87.6304 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, 228, 232) looks like.

```
.text, #text, p{  
    color:rgb(240, 228, 232)  
}
```

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, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 228, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2441, 79.8383, 87.6304 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, 228, 232) }
```



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

```
.border{ border-color:rgb(240, 228, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 228,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2441, 79.8383, 87.6304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 228, 232) }
```

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

```
.background{ background-color: rgb(240,  
228, 232) }
```

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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