

# Converting Colors

XYZ(77.8412, 80.1763, 83.0270)

Have a look what the booklet for  
XYZ(77.8412, 80.1763, 83.0270)  
contains.

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# Color

**XYZ(78.0224, 80.2304,  
83.3253)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1E5E2
RGB	241, 229, 226
RGB Percent	95%, 90%, 89%
CMY	0.0549, 0.1019, 0.1137
CMYK	0.00, 0.05, 0.06, 0.05
HSL	12°, 35%, 92%
HSV	12°, 6%, 95%
XYZ	78.0224, 80.2304, 83.3253
YIQ	232.2460, 8.1150, 1.6110

# Conversions

## Conversions Part 2

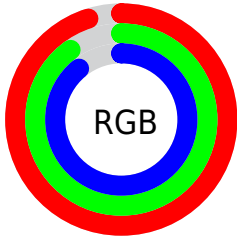
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 230, 226
Decimal	15853026
CIE Lab	91.79, 3.56, 2.90
CIE LCh	92, 4.594, 39.218
Yxy	80.2304, 0.3230, 0.3321
Android (android.graphics.Color)	4294043106 (0xFFFF1E5E2)
YUV	232.2460, -3.0793, 7.6773
Hunter-Lab	89.5714, -1.2652, 7.5445

# Details

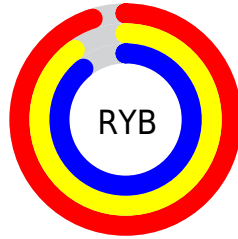
The XYZ color **78.0224, 80.2304, 83.3253** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8156, 83.6673, 95.2681**, and the grayscale version is **76.9060, 80.9111, 88.1121**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4943, 43.5267, 44.6899** is the 20% darker color. If you saturate the color by 10%, you get **69.9057, 68.9218, 65.4348**, and if you desaturate by 10%, it is **87.2006, 92.9160, 103.8648**.

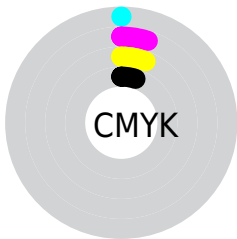
# Distribution



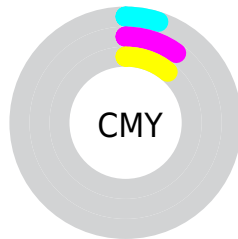
- Red (95%)
- Green (90%)
- Blue (89%)



- Red (95%)
- Yellow (90%)
- Blue (89%)



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




- Cyan (5%)
- Magenta (10%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0224, 80.2304, 83.3253 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 78.0224, 80.2304, 83.3253 by changing the saturation by 10% instead.




 78.0224, 80.2304,  
83.3253

 78.0224, 80.2304,  
83.3253


477.0815,  
495.7090, 526.0694

 58.3952, 59.9080,  
61.9164


129.5469,  
133.6896, 139.8843

 42.3710, 43.3445,  
44.5298


162.1749,  
167.5952, 175.8714

 29.5843, 30.1555,  
30.7470


199.8673,  
206.7973, 217.5550

 19.6697, 19.9566,  
20.1494

242.9894,  
251.6802, 265.3537

 12.2621, 12.3635,  
12.3185

291.9064,  
302.6285, 319.6859

 6.9959, 6.9918,  
6.8358

346.9839,

 3.5058, 3.4569,

360.0264, 380.9703

3.2828

408.5872,  
424.2585, 449.6252

■ 1.4266, 1.3747,  
1.2408

■ 0.2750, 0.1980,  
0.0125

■ 78.0224, 80.2304,  
83.3253

■ 78.0224, 80.2304,  
83.3253

■ 69.9057, 68.9218,  
65.4348

■ 87.2006, 92.9160,  
103.8648

■ 62.8051, 58.9336,  
50.0801

■ 90.0860, 97.4410,  
108.6677

■ 56.6820, 50.2203,  
37.1476

■ 51.4927, 42.7302,  
26.5128

■ 47.1900, 36.4078,  
18.0402

■ 43.7224, 31.1933,  
11.5801

■ 41.0331, 27.0214,  
6.9633

■ 39.0573, 23.8197,  
3.9927

■ 37.7182, 21.5055,  
2.4243

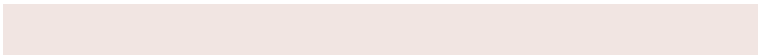
# Harmonies

## Analogous

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



78.5111, 80.2304, 86.3237



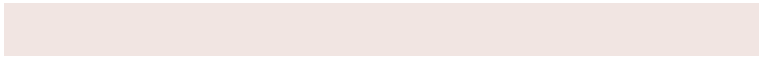
78.0224, 80.2304, 83.3253



77.0620, 80.2304, 81.4399

# Triad

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



78.0224, 80.2304, 83.3253



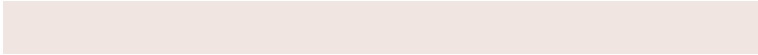
74.1614, 80.2304, 85.0789



76.6195, 80.2304, 93.9086

# Complementary

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



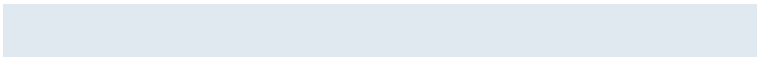
78.0224, 80.2304, 83.3253



77.8156, 83.6673, 95.2681

# Split Complementary

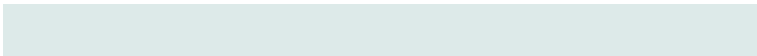
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4569, 80.2304, 93.5545



78.0224, 80.2304, 83.3253



74.0457, 80.2304, 88.3990

# Square

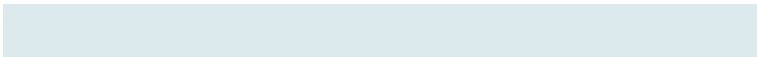
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0224, 80.2304, 83.3253



74.8354, 80.2304, 82.4341



74.5176, 80.2304, 91.5172



77.6956, 80.2304, 92.4726



# Rectangle

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



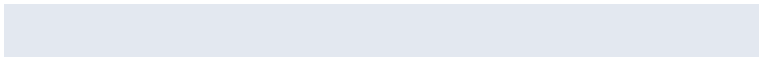
78.0224, 80.2304, 83.3253



76.2875, 80.2304, 81.0389



74.5176, 80.2304, 91.5172



76.2257, 80.2304, 93.9958

# Sweetspot

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



78.0246, 80.2339, 83.3270



92.9523, 97.1012, 104.2036



78.9056, 79.2677, 92.0313



19.9176, 20.8141, 22.3530



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

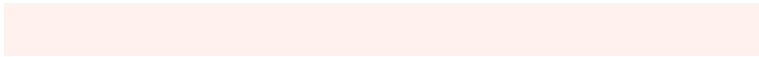


# Same Dimension

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



78.0246, 80.2339, 83.3270



87.9220, 90.1312, 92.9988



80.1437, 84.4721, 84.0334



16.3680, 16.7425, 17.1957



20.3260, 11.4500, 1.1388



1.7589, 1.0884, 0.1174

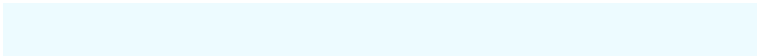


# Inverse Universe

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



77.8156, 83.6673, 95.2681



87.6552, 94.5105, 108.2302



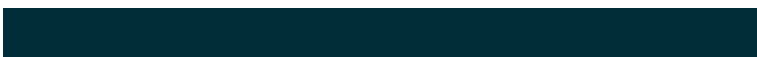
75.6785, 79.3931, 94.5557



16.3143, 17.6246, 20.2636



19.0168, 24.2578, 48.8078

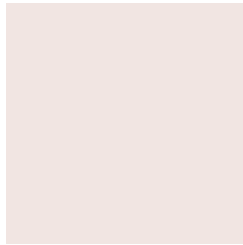


1.6495, 2.1529, 4.0828



# Previews

## White Background



This preview shows how the XYZ color 78.0224, 80.2304, 83.3253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

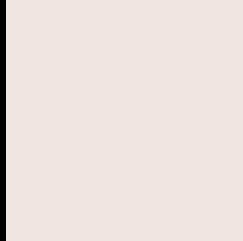
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0224, 80.2304, 83.3253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

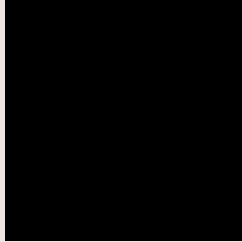
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

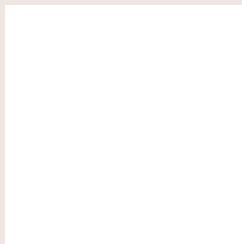
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.0224, 80.2304, 83.3253**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0224, 80.2304, 83.3253.



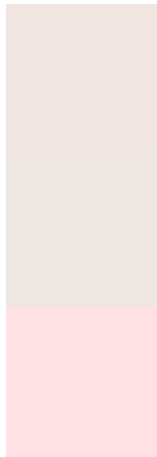
This preview shows how white text looks on a background with the XYZ color 78.0224, 80.2304,

83.3253.

# 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

78.0224, 80.2304, 83.3253

### Protanopia

77.0870, 80.1442, 84.0795

### Deuteranopia

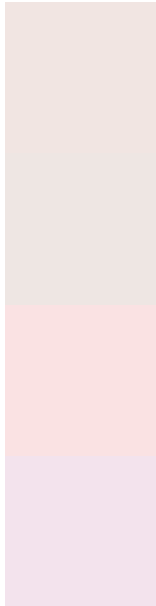
81.7608, 80.1174, 83.8280



## Tritanopia

80.8337, 80.1575, 96.7995

# Trichromacy



## Original Color

78.0224, 80.2304, 83.3253

## Protanomaly

77.4218, 80.3168, 84.0952

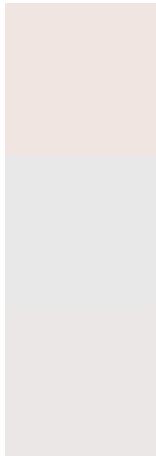
## Deuteranomaly

80.4858, 80.2628, 83.9232

## Tritanomaly

79.7173, 80.1073, 91.3815

# Monochromacy



## Original Color

78.0224, 80.2304, 83.3253

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.1198, 80.5272, 86.3416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0224, 80.2304, 83.3253 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(241, 229, 226) looks like.

```
.text, #text, p{  
    color:rgb(241, 229, 226)  
}
```

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(241, 229, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 229, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0224, 80.2304, 83.3253 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(241, 229, 226) }
```



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

```
.border{ border-color:rgb(241, 229, 226) }
```

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

Here you see how a box with a 4 pixel rgb(241, 229, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 229, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 229, 226);  
box-shadow:4px 4px 4px 4px rgb(241, 229,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0224, 80.2304, 83.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 229, 226) }
```

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

```
.background{ background-color: rgb(241,  
229, 226) }
```

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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