

# Converting Colors

XYZ(78.6337, 80.5696, 72.2000)

Have a look what the booklet for  
XYZ(78.6337, 80.5696, 72.2000)  
contains.

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# Color

**XYZ(78.4432, 80.2797,  
72.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E4D2
RGB	249, 228, 210
RGB Percent	98%, 89%, 82%
CMY	0.0235, 0.1059, 0.1765
CMYK	0.00, 0.08, 0.16, 0.02
HSL	28°, 76%, 90%
HSV	28°, 16%, 98%
XYZ	78.4432, 80.2797, 72.3339
YIQ	232.2270, 18.2940, -1.1460

# Conversions

## Conversions Part 2

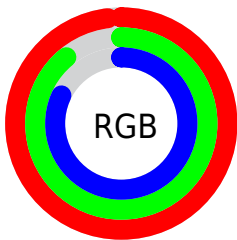
Format	Color
R <sub>Y</sub> B	249, 243, 210
Decimal	16377042
CIE Lab	91.81, 4.30, 11.37
CIE LCh	92, 12.156, 69.264
Yxy	80.2797, 0.3395, 0.3474
Android (android.graphics.Color)	4294567122 (0xFFFF9E4D2)
YUV	232.2270, -10.9579, 14.7099
Hunter-Lab	89.5989, -0.5227, 14.8540

# Details

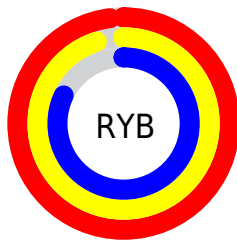
The XYZ color **78.4432, 80.2797, 72.3339** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2528, 77.6914, 100.8110**, and the grayscale version is **76.9435, 80.9505, 88.1551**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6825, 43.4939, 37.5980** is the 20% darker color. If you saturate the color by 10%, you get **72.0340, 72.0451, 56.0647**, and if you desaturate by 10%, it is **85.6255, 89.2864, 91.2440**.

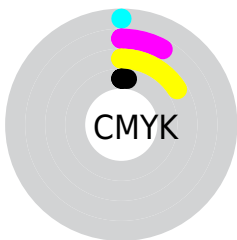
# Distribution



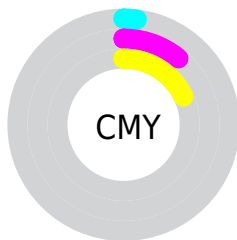
- Red (98%)
- Green (89%)
- Blue (82%)



- Red (98%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (8%)
- Yellow (16%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4432, 80.2797, 72.3339 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 78.4432, 80.2797, 72.3339 by changing the saturation by 10% instead.




 78.4432, 80.2797,  
72.3339

 78.4432, 80.2797,  
72.3339


478.4875,  
495.8749, 487.7117

 58.7422, 59.9485,  
52.9430


130.1368,  
133.7589, 124.2433

 42.6512, 43.3772,  
37.3698


162.8600,  
167.6757, 157.5988

 29.8048, 30.1812,  
25.1959


200.6547,  
206.8899, 196.4463

 19.8378, 19.9761,  
16.0027

243.8862,  
251.7859, 241.2042

 12.3848, 12.3777,  
9.3717

292.9199,  
302.7479, 292.2912

 7.0804, 7.0015,  
4.8843

348.1211,

 3.5592, 3.4630,

360.1605, 350.1257

2.1220

409.8552,  
424.4081, 415.1264

■ 1.4559, 1.3780,  
0.6288

■ 0.2955, 0.2004,  
0.0000

■ 78.4432, 80.2797,  
72.3339

■ 78.4432, 80.2797,  
72.3339

■ 72.0340, 72.0451,  
56.0647

■ 85.6255, 89.2864,  
91.2440

■ 66.3626, 64.5501,  
42.3120

■ 92.8184, 98.7622,  
108.7787

■ 61.4005, 57.7753,  
30.9487

■ 92.8772, 98.8799,  
108.7983

■ 57.1146, 51.6964,  
21.8348

■ 53.4687, 46.2874,  
14.8154

■ 50.4226, 41.5202,  
9.7154

■ 47.9302, 37.3636,  
6.3309

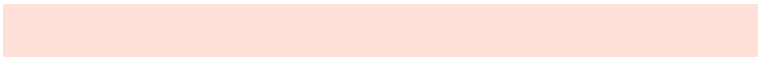
■ 45.9358, 33.7821,  
4.4101

■ 45.1927, 32.3908,  
3.8701

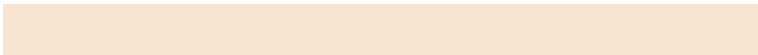
# Harmonies

## Analogous

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



81.0340, 80.2797, 77.0006



78.4432, 80.2797, 72.3339



75.3435, 80.2797, 71.5547

# Triad

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



78.4432, 80.2797, 72.3339



70.5450, 80.2797, 90.2008



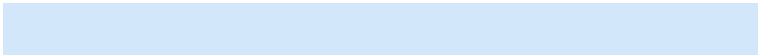
80.1562, 80.2797, 101.3717

# Complementary

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



78.4432, 80.2797, 72.3339



72.2528, 77.6914, 100.8110

# 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.



77.2715, 80.2797, 105.4519



78.4432, 80.2797, 72.3339



71.7607, 80.2797, 98.7197

# Square

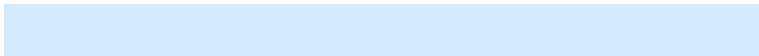
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4432, 80.2797, 72.3339



70.8393, 80.2797, 81.4788



74.2030, 80.2797, 104.4497



82.0415, 80.2797, 93.6243



# Rectangle

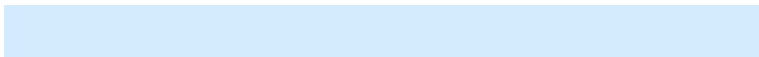
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4432, 80.2797, 72.3339



73.4136, 80.2797, 73.2880



74.2030, 80.2797, 104.4497



79.2681, 80.2797, 103.2408

# Sweetspot

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



78.4454, 80.2833, 72.3356



90.9139, 94.9044, 97.7281



76.6019, 72.0290, 85.8015



19.3385, 20.1638, 20.5944



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

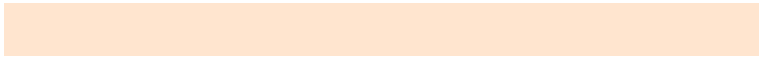


# Same Dimension

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



78.4454, 80.2833, 72.3356



80.4440, 81.7360, 70.2802



83.9766, 91.3458, 74.1794



17.9050, 18.5458, 18.0984



24.3295, 17.6156, 2.1178

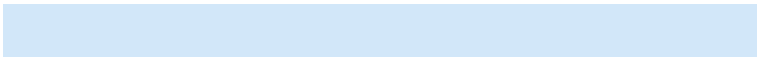


2.3581, 1.8410, 0.2311

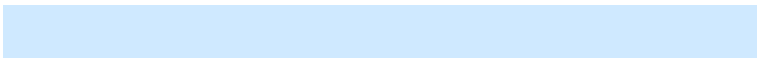


# Inverse Universe

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



72.2528, 77.6914, 100.8110



72.6916, 78.4907, 105.9267



67.2093, 67.6043, 99.1299



17.0571, 18.1910, 21.9975



13.8634, 13.0824, 49.7680

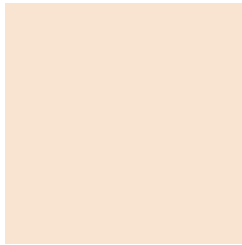


1.3901, 1.4238, 4.6447



# Previews

## White Background



This preview shows how the XYZ color 78.4432, 80.2797, 72.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

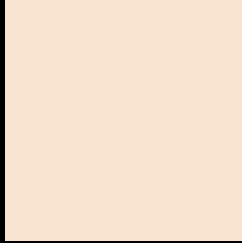
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.4432, 80.2797, 72.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

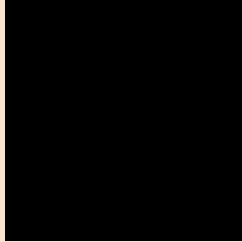
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.4432, 80.2797, 72.3339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.4432, 80.2797, 72.3339.



This preview shows how white text looks on a background with the XYZ color 78.4432, 80.2797,



# 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

78.4432, 80.2797, 72.3339

### Protanopia

76.2690, 80.3802, 73.1231

### Deuteranopia

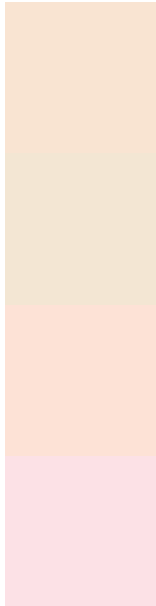
80.5599, 80.0683, 76.1745



## Tritanopia

82.7729, 80.0089, 94.2997

# Trichromacy



## Original Color

78.4432, 80.2797, 72.3339

## Protanomaly

77.0168, 80.3515, 73.0782

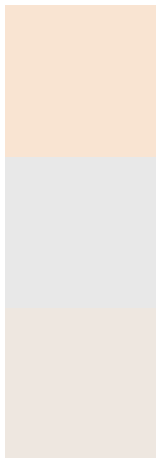
## Deuteranomaly

79.8420, 80.1304, 74.8769

## Tritanomaly

81.3530, 80.2590, 86.0667

# Monochromacy



## Original Color

78.4432, 80.2797, 72.3339

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.2904, 80.7108, 82.0261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.4432, 80.2797, 72.3339 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(249, 228, 210)` looks like.

```
.text, #text, p{  
    color:rgb(249, 228, 210)  
}
```

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(249, 228, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 228, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 78.4432, 80.2797, 72.3339 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(249, 228, 210) }
```



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

```
.border{ border-color:rgb(249, 228, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 228, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 228, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 228, 210);  
box-shadow:4px 4px 4px 4px rgb(249, 228,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.4432, 80.2797, 72.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 228, 210) }
```

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

```
.background{ background-color: rgb(249,  
228, 210) }
```

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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