

# Converting Colors

XYZ(72.6342, 81.3459, 57.1302)

Have a look what the booklet for  
XYZ(72.6342, 81.3459, 57.1302)  
contains.

<b>XYZ(72.5402, 81.3527, 57.2268)</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(72.5402, 81.3527,  
57.2268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9EDB8
RGB	233, 237, 184
RGB Percent	91%, 93%, 72%
CMY	0.0863, 0.0706, 0.2784
CMYK	0.02, 0.00, 0.22, 0.07
HSL	65°, 60%, 83%
HSV	65°, 22%, 93%
XYZ	72.5402, 81.3527, 57.2268
YIQ	229.7620, 14.6290, -17.3310

# Conversions

## Conversions Part 2

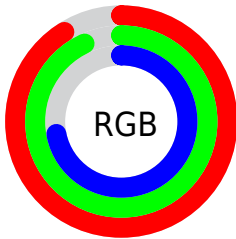
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 237, 188
Decimal	15330744
CIE Lab	92.29, -9.83, 25.30
CIE LCh	92, 27.144, 111.231
Yxy	81.3527, 0.3436, 0.3853
Android (android.graphics.Color)	4293520824 (0xFFE9EDB8)
YUV	229.7620, -22.5607, 2.8397
Hunter-Lab	90.1957, -14.2833, 25.5191

# Details

The XYZ color **72.5402, 81.3527, 57.2268** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.1687, 51.0890, 87.1842**, and the grayscale version is **75.1936, 79.1095, 86.1502**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **38.7521, 44.0336, 27.9296** is the 20% darker color. If you saturate the color by 10%, you get **69.6802, 80.1443, 45.1930**, and if you desaturate by 10%, it is **75.8267, 82.7379, 71.4565**.

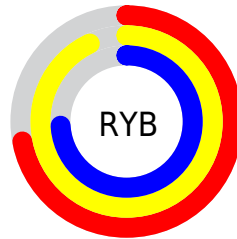
# Distribution



Red (91%)

Green (93%)

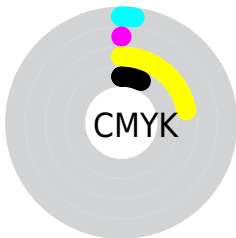
Blue (72%)



Red (72%)

Yellow (93%)

Blue (74%)

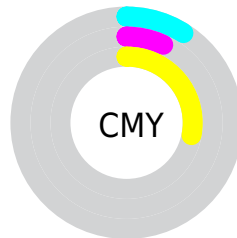


Cyan (2%)

Magenta (0%)

Yellow (22%)

Black (7%)



Cyan (9%)

Magenta (7%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5402, 81.3527, 57.2268 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 72.5402, 81.3527, 57.2268 by changing the saturation by 10% instead.



72.5402, 81.3527,  
57.2268

72.5402, 81.3527,  
57.2268

458.5482,  
499.4799, 431.8161

53.8871, 60.8321,  
40.7768

121.8309,  
135.2659, 102.2997

38.7417, 44.0897,  
27.8263

153.1992,  
169.4273, 131.7596

26.7387, 30.7410,  
17.9569

189.5367,  
208.9044, 166.3932

17.5126, 20.4017,  
10.7499

231.2086,  
254.0817, 206.6191

10.6982, 12.6874,  
5.7869

278.5803,  
305.3435, 252.8558

5.9301, 7.2136,  
2.6492

332.0173,

2.8429, 3.5961,

363.0742, 305.5219

0.9177

391.8848,  
427.6582, 365.0358

■ 1.0712, 1.4503,  
0.0000

■ 0.0008, 0.2533,  
0.0000

■ 72.5402, 81.3527,  
57.2268

■ 72.5402, 81.3527,  
57.2268

■ 69.6802, 80.1443,  
45.1930

■ 75.8267, 82.7379,  
71.4565

■ 67.2195, 79.0935,  
35.2408


■ 79.5526, 84.2969,  
87.9784

■ 65.1378, 78.1950,  
27.2534


■ 83.7213, 86.0337,  
106.8013


■ 63.4103, 77.4388,  
21.1003


■ 84.3270, 86.3459,  
106.8297

 62.0092, 76.8139,  
16.6355


 84.9386, 86.6612,  
106.8583


 60.9025, 76.3074,  
13.6905

 85.5562, 86.9796,  
106.8872

 60.0516, 75.9039,  
12.0623

 86.1799, 87.3011,  
106.9164

 59.5282, 75.6468,  
11.4638

 86.8096, 87.6257,  
106.9458

 87.4454, 87.9535,  
106.9756

# Harmonies

## Analogous

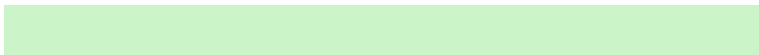
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3981, 81.3527, 55.6198



72.5402, 81.3527, 57.2268



67.2750, 81.3527, 66.5227

# Triad

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



72.5402, 81.3527, 57.2268



69.1800, 81.3527, 122.2456



91.4367, 81.3527, 94.6003

# Complementary

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



72.5402, 81.3527, 57.2268



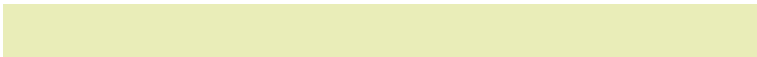
53.1687, 51.0890, 87.1842

# Split Complementary

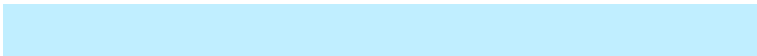
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3254, 81.3527, 115.0406



72.5402, 81.3527, 57.2268



75.2850, 81.3527, 132.5116

# Square

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



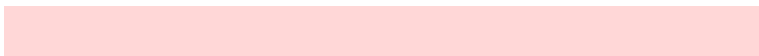
72.5402, 81.3527, 57.2268



65.4181, 81.3527, 103.3198



82.3122, 81.3527, 129.6924



90.5917, 81.3527, 75.3119

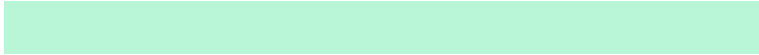


# Rectangle

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



72.5402, 81.3527, 57.2268



65.2409, 81.3527, 76.7211



82.3122, 81.3527, 129.6924



90.8123, 81.3527, 101.6003

# Sweetspot

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



72.5423, 81.3563, 57.2285



91.8135, 98.6483, 94.4376



61.4632, 57.2347, 53.1565



19.5948, 21.0909, 19.9604



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

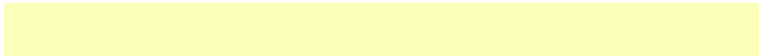


# Same Dimension

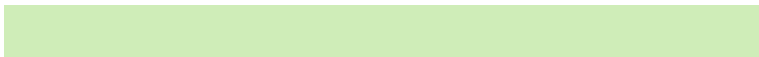
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5423, 81.3563, 57.2285



83.9906, 95.3581, 60.5172



64.6617, 77.2937, 56.8597



16.2331, 17.5657, 16.0537



32.5484, 41.3238, 6.2608



2.5894, 3.2622, 0.4932



# Inverse Universe

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



53.1687, 51.0890, 87.1842



57.2152, 53.5232, 101.9232



60.1704, 54.6984, 87.5118



14.3366, 14.6033, 18.9853



8.5218, 3.4291, 43.9557

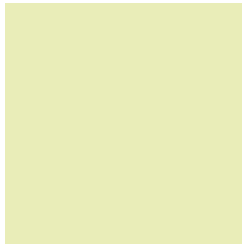


0.7060, 0.2882, 3.4533



# Previews

## White Background



This preview shows how the XYZ color 72.5402, 81.3527, 57.2268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

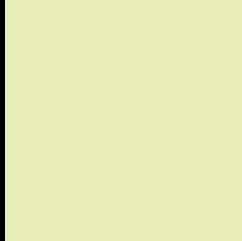
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5402, 81.3527, 57.2268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

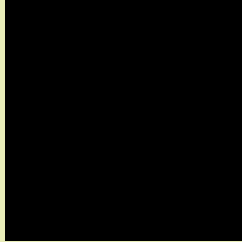
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

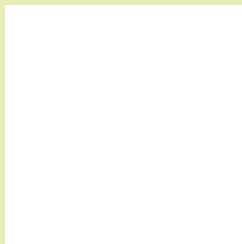
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.5402, 81.3527, 57.2268**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5402, 81.3527, 57.2268.



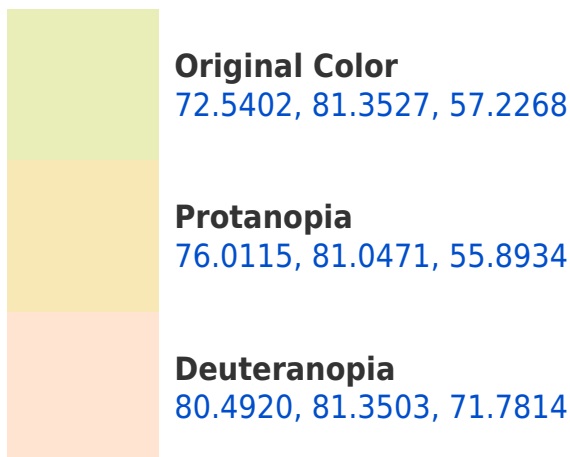
This preview shows how white text looks on a background with the XYZ color 72.5402, 81.3527,

57.2268.

# 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

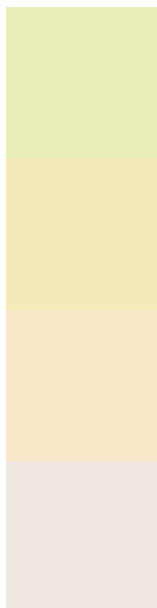




## Tritanopia

81.0834, 81.4548, 99.4445

# Trichromacy



## Original Color

72.5402, 81.3527, 57.2268

## Protanomaly

74.9322, 81.3192, 56.5466

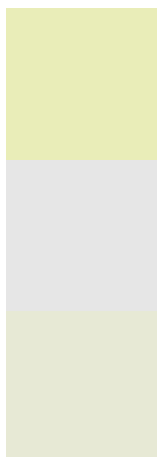
## Deuteranomaly

77.3590, 81.0961, 66.2194

## Tritanomaly

77.5711, 81.2722, 82.1197

# Monochromacy



## Original Color

72.5402, 81.3527, 57.2268

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.1042, 80.0708, 74.5003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5402, 81.3527, 57.2268 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(233, 237, 184)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 184)  
}
```

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(233, 237, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5402, 81.3527, 57.2268 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(233, 237, 184) }
```



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

```
.border{ border-color:rgb(233, 237, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 184);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5402, 81.3527, 57.2268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 184) }
```

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

```
.background{ background-color: rgb(233,  
237, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor