

# Converting Colors

XYZ(73.7842, 82.9209, 74.4039)

Have a look what the booklet for  
XYZ(73.7842, 82.9209, 74.4039)  
contains.

<b>XYZ(73.7842, 82.9209, 74.4039)</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(73.7842, 82.9209,  
74.4039)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0F0D4
RGB	224, 240, 212
RGB Percent	88%, 94%, 83%
CMY	0.1216, 0.0588, 0.1686
CMYK	0.07, 0.00, 0.12, 0.06
HSL	94°, 48%, 89%
HSV	94°, 12%, 94%
XYZ	73.7842, 82.9209, 74.4039
YIQ	232.0240, -0.5480, -12.1000

# Conversions

## Conversions Part 2

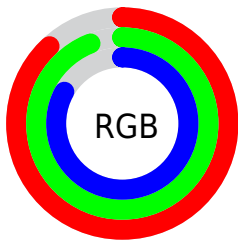
Format	Color
R <sub>Y</sub> B	212, 240, 228
Decimal	14741716
CIE Lab	92.98, -10.21, 11.74
CIE LCh	93, 15.557, 131.031
Yxy	82.9209, 0.3193, 0.3588
Android (android.graphics.Color)	4292931796 (0xFFE0F0D4)
YUV	232.0240, -9.8718, -7.0370
Hunter-Lab	91.0609, -14.7229, 15.2981

# Details

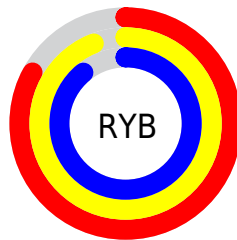
The XYZ color **73.7842, 82.9209, 74.4039** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.2699, 69.8746, 92.1732**, and the grayscale version is **76.7935, 80.7927, 87.9833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5885, 45.1503, 38.5266** is the 20% darker color. If you saturate the color by 10%, you get **66.8984, 79.6978, 59.4350**, and if you desaturate by 10%, it is **81.4676, 86.5080, 91.7627**.

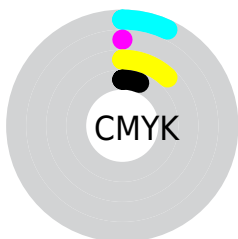
# Distribution



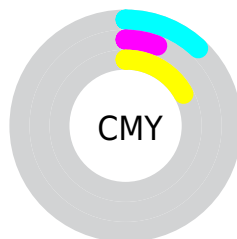
- Red (88%)
- Green (94%)
- Blue (83%)



- Red (83%)
- Yellow (94%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)



- Cyan (12%)
- Magenta (6%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7842, 82.9209, 74.4039 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 73.7842, 82.9209, 74.4039 by changing the saturation by 10% instead.



73.7842, 82.9209,  
74.4039

73.7842, 82.9209,  
74.4039

462.7901,  
504.7229, 495.0668

54.9081, 62.1249,  
54.6259

123.5870,  
137.4647, 127.2075

39.5617, 45.1336,  
38.7057

155.2444,  
171.9812, 161.0702

27.3797, 31.5627,  
26.2248

191.8929,  
211.8401, 200.4649

17.9966, 21.0277,  
16.7646

233.8979,  
257.4257, 245.8101

11.0472, 13.1443,  
9.9066

281.6248,  
309.1223, 297.5243

6.1661, 7.5280,  
5.2323

335.4389,

2.9880, 3.7944,

367.3145, 356.0262

2.3231

395.7055,  
432.3865, 421.7342

■ 1.1474, 1.5592,  
0.7441

■ 0.0642, 0.3299,  
0.0000

■ 73.7842, 82.9209,  
74.4039

■ 73.7842, 82.9209,  
74.4039

■ 66.8984, 79.6978,  
59.4350

■ 81.4676, 86.5080,  
91.7627

■ 60.7756, 76.8159,  
46.7461

■ 89.1520, 90.1334,  
107.3064

■ 55.3885, 74.2660,  
36.2265

■ 90.4517, 90.8034,  
107.3672

■ 50.7052, 72.0343,  
27.7545

■ 46.6914, 70.1061,  
21.1960

■ 43.3092, 68.4652,  
16.4011

■ 40.5161, 67.0933,  
13.1976

■ 38.2624, 65.9694,  
11.3784

■ 36.7368, 65.1975,  
10.6482

# Harmonies

## Analogous

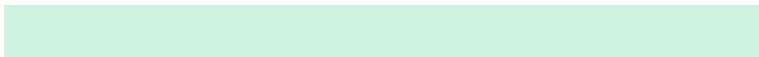
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3250, 82.9209, 70.0151



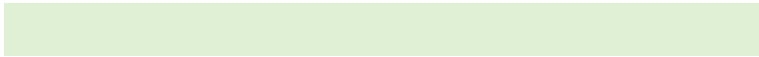
73.7842, 82.9209, 74.4039



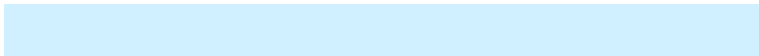
71.6379, 82.9209, 83.1913

# Triad

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



73.7842, 82.9209, 74.4039



76.2957, 82.9209, 113.1993



86.7524, 82.9209, 86.0633

# Complementary

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



73.7842, 82.9209, 74.4039



71.2699, 69.8746, 92.1732

# 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.



86.4536, 82.9209, 97.7746



73.7842, 82.9209, 74.4039



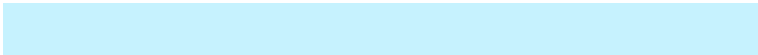
80.3217, 82.9209, 114.1362

# Square

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



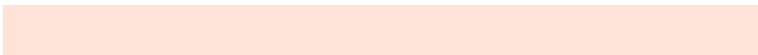
73.7842, 82.9209, 74.4039



73.0531, 82.9209, 105.8237



84.0670, 82.9209, 108.2829

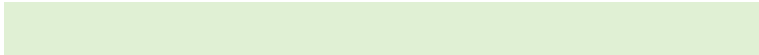


84.8697, 82.9209, 76.3502



# Rectangle

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



73.7842, 82.9209, 74.4039



71.2408, 82.9209, 90.6909



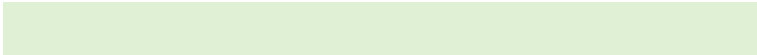
84.0670, 82.9209, 108.2829



86.9054, 82.9209, 89.8838

# Sweetspot

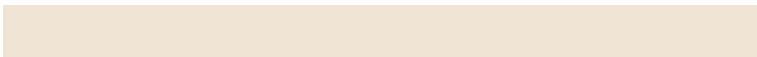
The Sweet Spot groups the original color and five complimentary colors.



73.7865, 82.9245, 74.4057



91.3387, 98.2715, 100.3804



75.5288, 78.6955, 73.4976



19.4044, 20.9662, 21.1535



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.



73.7865, 82.9245, 74.4057



82.7138, 94.2439, 81.0565



70.4345, 81.1691, 75.4855



16.2081, 17.9875, 16.7674



20.2546, 35.7632, 5.8355



1.7966, 3.0327, 0.4907



# Inverse Universe

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



71.2699, 69.8746, 92.1732



79.2943, 76.5130, 105.1970



74.9340, 71.7954, 90.9042



15.7622, 15.6746, 19.9164



14.4273, 6.4429, 45.6111

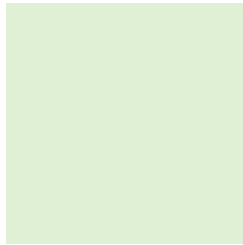


1.3138, 0.5946, 3.7997



# Previews

## White Background



This preview shows how the XYZ color 73.7842, 82.9209, 74.4039 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 73.7842, 82.9209, 74.4039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

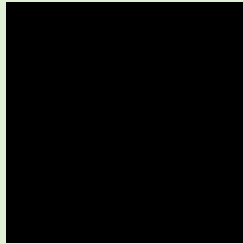
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

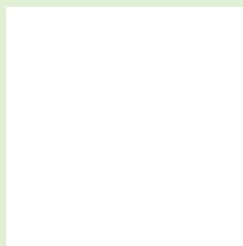
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.7842, 82.9209, 74.4039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.7842, 82.9209, 74.4039.



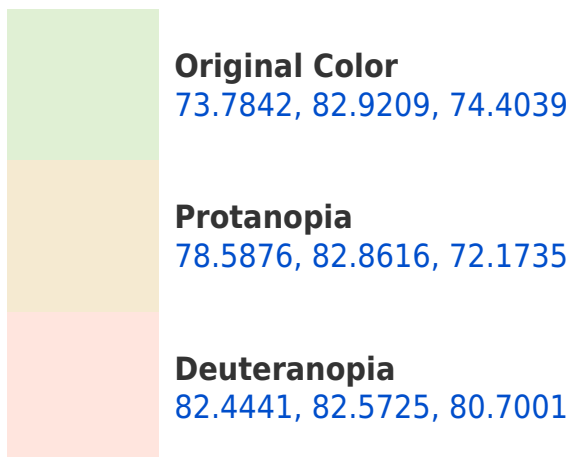
This preview shows how white text looks on a background with the XYZ color 73.7842, 82.9209,



# 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

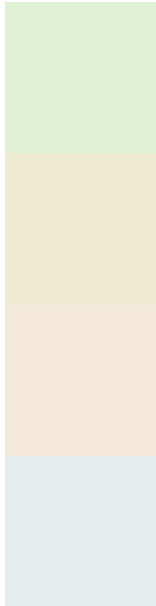




## **Tritanopia**

79.7856, 82.7605, 104.6977

# Trichromacy



## Original Color

73.7842, 82.9209, 74.4039

## Protanomaly

76.5534, 82.6486, 72.8907

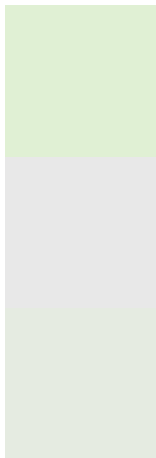
## Deuteranomaly

79.1020, 82.5729, 78.0987

## Tritanomaly

77.4230, 82.6579, 92.7629

# Monochromacy



## Original Color

73.7842, 82.9209, 74.4039

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.6120, 81.5109, 82.9822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7842, 82.9209, 74.4039 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(224, 240, 212)` looks like.

```
.text, #text, p{  
    color:rgb(224, 240, 212)  
}
```

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(224, 240, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 240, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7842, 82.9209, 74.4039 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(224, 240, 212) }
```



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

```
.border{ border-color:rgb(224, 240, 212) }
```

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

Here you see how a box with a 4 pixel rgb(224, 240, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 240, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 240, 212);  
box-shadow:4px 4px 4px 4px rgb(224, 240,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7842, 82.9209, 74.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 240, 212) }
```

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

```
.background{ background-color: rgb(224,  
240, 212) }
```

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