

# Converting Colors

XYZ(75.3416, 82.9464, 79.5048)

Have a look what the booklet for  
XYZ(75.3416, 82.9464, 79.5048)  
contains.

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# Color

**XYZ(75.1714, 82.6473,  
79.7007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EEDC
RGB	227, 238, 220
RGB Percent	89%, 93%, 86%
CMY	0.1098, 0.0666, 0.1372
CMYK	0.05, 0.00, 0.08, 0.07
HSL	97°, 35%, 90%
HSV	97°, 8%, 93%
XYZ	75.1714, 82.6473, 79.7007
YIQ	232.6590, -0.7780, -7.9300

# Conversions

## Conversions Part 2

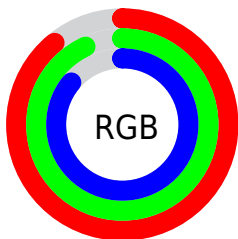
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 238, 231
Decimal	14937820
CIE Lab	92.86, -6.83, 7.44
CIE LCh	93, 10.105, 132.552
Yxy	82.6473, 0.3165, 0.3480
Android (android.graphics.Color)	4293127900 (0xFFE3EEDC)
YUV	232.6590, -6.2409, -4.9629
Hunter-Lab	90.9106, -11.4968, 11.6582

# Details

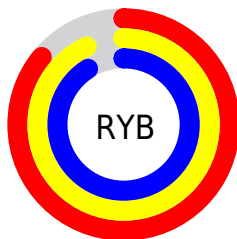
The XYZ color **75.1714, 82.6473, 79.7007** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.9840, 74.3506, 91.3450**, and the grayscale version is **77.2436, 81.2663, 88.4990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5327, 44.9432, 42.1359** is the 20% darker color. If you saturate the color by 10%, you get **67.8454, 79.2117, 64.0583**, and if you desaturate by 10%, it is **83.3385, 86.4694, 97.7285**.

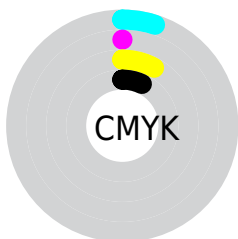
# Distribution



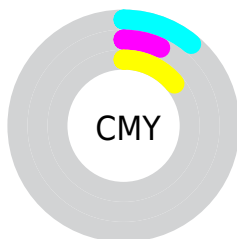
- Red (89%)
- Green (93%)
- Blue (86%)



- Red (86%)
- Yellow (93%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1714, 82.6473, 79.7007 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 75.1714, 82.6473, 79.7007 by changing the saturation by 10% instead.



75.1714, 82.6473,  
79.7007

75.1714, 82.6473,  
79.7007

467.4946,  
503.8103, 513.6037

56.0480, 61.8992,  
58.9474

125.5416,  
137.0814, 134.7524

40.4786, 44.9513,  
42.1510

157.5190,  
171.5362, 169.8879

28.0977, 31.4191,  
28.8931

194.5119,  
211.3286, 210.6546

18.5402, 20.9182,  
18.7551

236.8855,  
256.8432, 257.4709

11.4405, 13.0642,  
11.3184

285.0052,  
308.4643, 310.7554

6.4334, 7.4728,  
6.1646

339.2364,

3.1535, 3.7595,

366.5762, 370.9267

2.8750

399.9444,  
431.5634, 438.4033

■ 1.2355, 1.5399,  
1.0312

■ 0.1341, 0.3166,  
0.0000

■ 75.1714, 82.6473,  
79.7007

■ 75.1714, 82.6473,  
79.7007

■ 67.8454, 79.2117,  
64.0583

■ 83.3385, 86.4694,  
97.7285

■ 61.3254, 76.1395,  
50.6960

■ 89.8662, 89.6323,  
107.1721

■ 55.5833, 73.4210,  
39.5088

■ 50.5871, 71.0422,  
30.3813

■ 46.3022, 68.9880,  
23.1873

■ 42.6906, 67.2420,  
17.7869

■ 39.7105, 65.7859,  
14.0213

■ 37.3138, 64.5992,  
11.7038

■ 35.4399, 63.6560,  
10.5854

# Harmonies

## Analogous

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



77.4560, 82.6473, 76.5340



75.1714, 82.6473, 79.7007



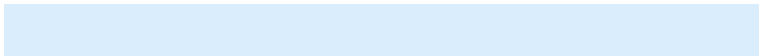
73.8109, 82.6473, 85.7008

# Triad

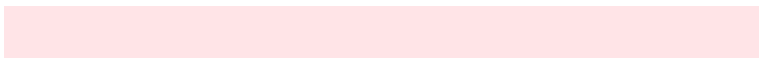
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1714, 82.6473, 79.7007



77.0419, 82.6473, 104.5793



83.6125, 82.6473, 86.8668

# Complementary

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



75.1714, 82.6473, 79.7007



73.9840, 74.3506, 91.3450

# 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.



83.4956, 82.6473, 94.4176



75.1714, 82.6473, 79.7007



79.6619, 82.6473, 104.9349

# Square

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



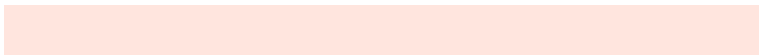
75.1714, 82.6473, 79.7007



74.8741, 82.6473, 100.1804



82.0361, 82.6473, 101.1263



82.3521, 82.6473, 80.5131

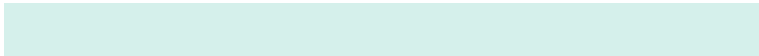


# Rectangle

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



75.1714, 82.6473, 79.7007



73.5920, 82.6473, 90.6377



82.0361, 82.6473, 101.1263



83.7337, 82.6473, 89.3432

# Sweetspot

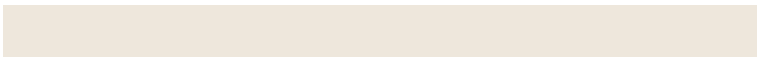
The Sweet Spot groups the original color and five complimentary colors.



75.1737, 82.6509, 79.7025



93.1021, 99.0894, 104.5795



76.7014, 80.3877, 79.1851



19.9481, 21.2188, 22.4295



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.



75.1737, 82.6509, 79.7025



86.5989, 96.0450, 90.3555



73.2502, 81.6316, 80.8641



16.1471, 17.9560, 16.7645



19.6841, 35.4691, 5.8088



1.7458, 3.0065, 0.4883



# Inverse Universe

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



73.9840, 74.3506, 91.3450



84.9538, 84.5682, 106.4535



76.0256, 75.4335, 90.0664



15.8247, 15.7069, 19.9193



15.3197, 6.9030, 45.6528

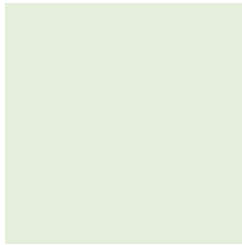


1.3855, 0.6315, 3.8031



# Previews

## White Background



This preview shows how the XYZ color 75.1714, 82.6473, 79.7007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

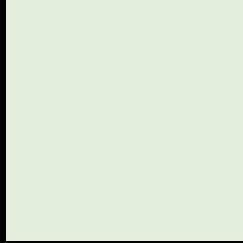
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1714, 82.6473, 79.7007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

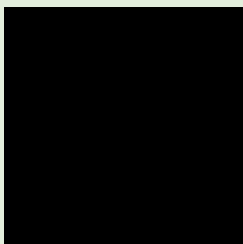
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

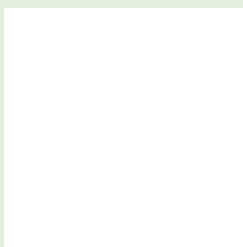
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.1714, 82.6473, 79.7007**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1714, 82.6473, 79.7007.



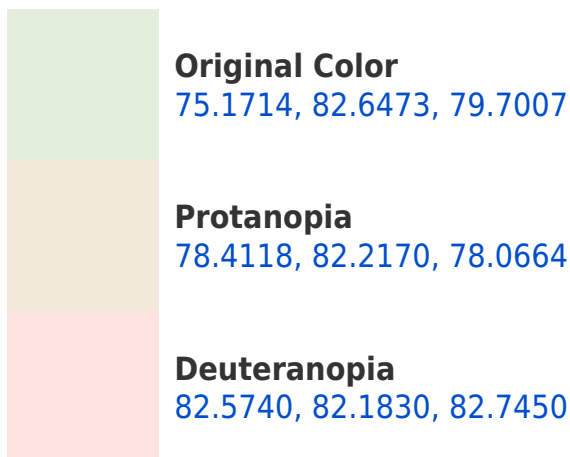
This preview shows how white text looks on a background with the XYZ color 75.1714, 82.6473,



# 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

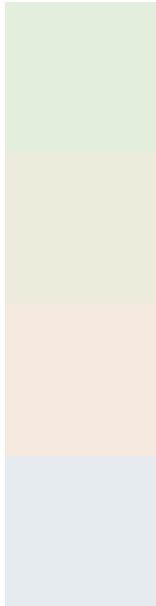




## Tritanopia

79.9883, 82.4619, 103.7964

# Trichromacy



## Original Color

75.1714, 82.6473, 79.7007

## Protanomaly

77.4196, 82.5357, 78.8684

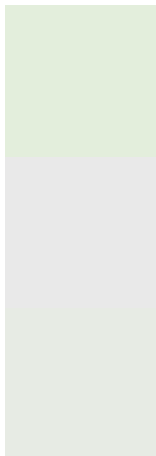
## Deuteranomaly

79.8321, 82.4534, 81.5195

## Tritanomaly

78.0696, 82.5309, 94.2534

# Monochromacy



## Original Color

75.1714, 82.6473, 79.7007

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.6669, 82.0070, 85.1869

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1714, 82.6473, 79.7007 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(227, 238, 220) looks like.

```
.text, #text, p{  
    color:rgb(227, 238, 220)  
}
```

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(227, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 238, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1714, 82.6473, 79.7007 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(227, 238, 220) }
```



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

```
.border{ border-color:rgb(227, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 238, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 238, 220); box-shadow:4px 4px 4px 4px rgb(227, 238, 220) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1714, 82.6473, 79.7007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 238, 220) }
```

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

```
.background{ background-color: rgb(227,  
238, 220) }
```

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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