

# Converting Colors

XYZ(75.2618, 82.2812, 89.8150)

Have a look what the booklet for  
XYZ(75.2618, 82.2812, 89.8150)  
contains.

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# Color

**XYZ(75.2446, 82.4617,  
89.7928)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DDEEEA
RGB	221, 238, 234
RGB Percent	87%, 93%, 92%
CMY	0.1333, 0.0666, 0.0823
CMYK	0.07, 0.00, 0.02, 0.07
HSL	166°, 33%, 90%
HSV	166°, 7%, 93%
XYZ	75.2446, 82.4617, 89.7928
YIQ	232.4610, -8.8480, -4.8480

# Conversions

## Conversions Part 2

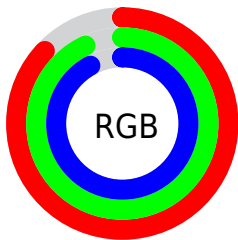
Format	Color
R <sub>Y</sub> B	221, 231, 238
Decimal	14544618
CIE Lab	92.78, -6.33, -0.00
CIE LCh	93, 6.332, 180.038
Yxy	82.4617, 0.3040, 0.3332
Android (android.graphics.Color)	4292734698 (0xFFDDEEEA)
YUV	232.4610, 0.7587, -10.0513
Hunter-Lab	90.8084, -11.0082, 4.9390

# Details

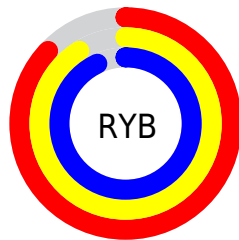
The XYZ color **75.2446, 82.4617, 89.7928** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.7099, 75.3284, 81.8402**, and the grayscale version is **77.0483, 81.0608, 88.2753**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4897, 44.7772, 48.6283** is the 20% darker color. If you saturate the color by 10%, you get **67.7137, 78.6732, 85.3051**, and if you desaturate by 10%, it is **83.8330, 86.7969, 94.4663**.

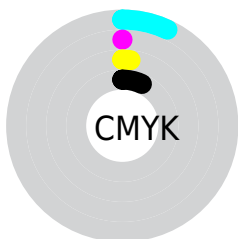
# Distribution



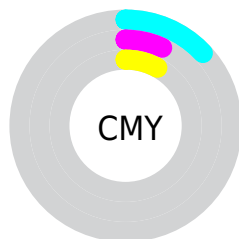
- Red (87%)
- Green (93%)
- Blue (92%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2446, 82.4617, 89.7928 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 75.2446, 82.4617, 89.7928 by changing the saturation by 10% instead.



75.2446, 82.4617,  
89.7928

75.2446, 82.4617,  
89.7928

467.7421,  
503.1907, 547.9093

56.1082, 61.7462,  
67.2361

125.6446,  
136.8213, 148.9836

40.5270, 44.8276,  
48.8137

157.6389,  
171.2341, 186.4547

28.1357, 31.3217,  
34.1071

194.6499,  
210.9815, 229.7343

18.5690, 20.8439,  
22.6979

237.0428,  
256.4479, 279.2410

11.4614, 13.0100,  
14.1674

285.1832,  
308.0176, 335.3933

6.4476, 7.4354,  
8.0971

339.4363,

3.1624, 3.7359,

366.0750, 398.6098

4.0685

400.1675,  
431.0046, 469.3089

■ 1.2402, 1.5269,  
1.6630

■ 0.1378, 0.3076,  
0.3352

■ 75.2446, 82.4617,  
89.7928

■ 75.2446, 82.4617,  
89.7928

■ 67.7137, 78.6732,  
85.3051

■ 83.8330, 86.7969,  
94.4663

■ 61.1899, 75.3987,  
80.9947

■ 88.3295, 89.0175,  
99.0808

■ 55.6294, 72.6179,  
76.8598

■ 89.1993, 89.3654,  
103.6608

■ 50.9822, 70.3051,  
72.8969

■ 89.8661, 89.6321,  
107.1720

■ 47.1938, 68.4322,  
69.1022

■ 44.2038, 66.9681,  
65.4717

■ 41.9436, 65.8774,  
62.0007

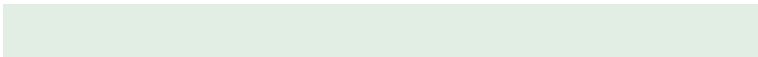
■ 40.3329, 65.1187,  
58.6842

■ 39.2674, 64.6385,  
55.5160

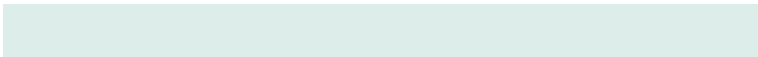
# Harmonies

## Analogous

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



75.6584, 82.4617, 85.3210



75.2446, 82.4617, 89.7928



75.6604, 82.4617, 94.4165

# Triad

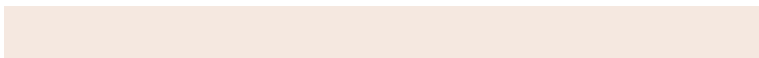
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2446, 82.4617, 89.7928



79.9777, 82.4617, 97.8920



79.9740, 82.4617, 82.1361

# Complementary

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



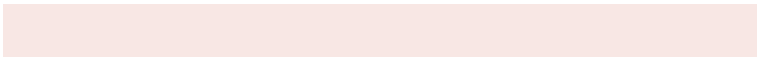
75.2446, 82.4617, 89.7928



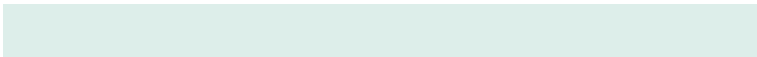
74.7099, 75.3284, 81.8402

# 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.



81.1586, 82.4617, 85.3109



75.2446, 82.4617, 89.7928



81.1608, 82.4617, 94.4057

# Square

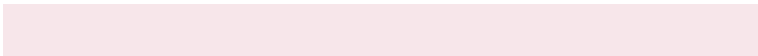
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



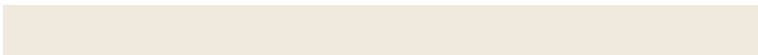
75.2446, 82.4617, 89.7928



78.3795, 82.4617, 99.1916



81.5959, 82.4617, 89.7807



78.3753, 82.4617, 80.9961



# Rectangle

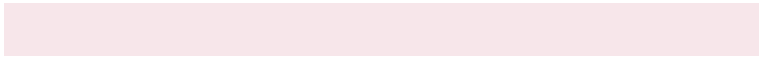
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2446, 82.4617, 89.7928



76.3555, 82.4617, 96.9392



81.5959, 82.4617, 89.7807



80.4347, 82.4617, 82.9951

# Sweetspot

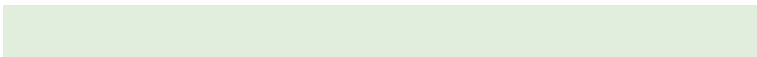
The Sweet Spot groups the original color and five complimentary colors.



75.2469, 82.4652, 89.7946



93.0058, 98.9684, 107.7983



74.7576, 82.4209, 80.3765



19.9285, 21.1941, 23.0849



0.0000, 0.0000, 0.0000

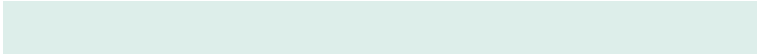


20.3446, 21.4041, 23.3091

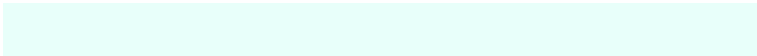


# Same Dimension

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



75.2469, 82.4652, 89.7946



86.2470, 95.5610, 104.0103



74.6057, 80.2517, 92.4510



16.0789, 17.8616, 19.4385



21.8185, 36.0194, 30.7568



1.8531, 3.0117, 2.7587



# Inverse Universe

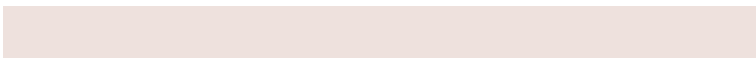
The Inverse Universe completely reimagines the original color for something new.



74.7099, 75.3284, 81.8402



85.4631, 85.1424, 92.3985



75.3066, 77.3858, 79.3757



15.9253, 15.8198, 17.1629



20.1117, 10.3171, 3.2391

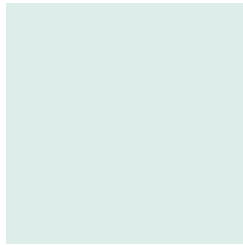


1.7105, 0.8732, 0.4663



# Previews

## White Background



This preview shows how the XYZ color 75.2446, 82.4617, 89.7928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

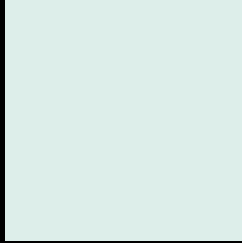
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2446, 82.4617, 89.7928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

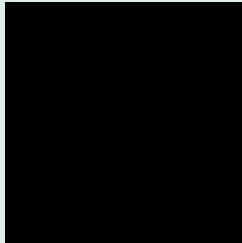
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

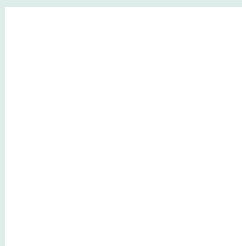
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2446, 82.4617, 89.7928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2446, 82.4617, 89.7928.



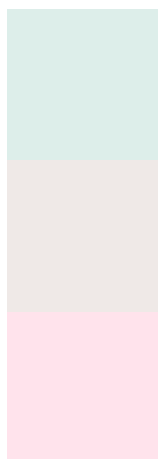
This preview shows how white text looks on a background with the XYZ color 75.2446, 82.4617,

89.7928.

# 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

75.2446, 82.4617, 89.7928

### Protanopia

79.1593, 82.3981, 87.3336

### Deuteranopia

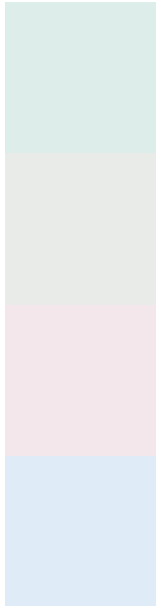
83.8494, 82.2543, 90.8142



## Tritanopia

78.3382, 82.4197, 105.5457

# Trichromacy



## Original Color

75.2446, 82.4617, 89.7928

## Protanomaly

77.5525, 82.3987, 88.1610

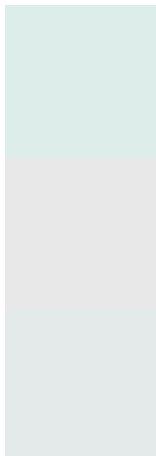
## Deuteranomaly

80.5335, 82.2047, 90.2198

## Tritanomaly

77.2154, 82.3943, 99.8297

# Monochromacy



## Original Color

75.2446, 82.4617, 89.7928

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1257, 81.2228, 88.7561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2446, 82.4617, 89.7928 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(221, 238, 234) looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 234)  
}
```

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(221, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2446, 82.4617, 89.7928 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(221, 238, 234) }
```



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

```
.border{ border-color:rgb(221, 238, 234) }
```

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

Here you see how a box with a 4 pixel rgb(221, 238, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2446, 82.4617, 89.7928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 234) }
```

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

```
.background{ background-color: rgb(221,  
238, 234) }
```

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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