

# Converting Colors

XYZ(75.1485, 75.2564, 91.6139)

Have a look what the booklet for  
XYZ(75.1485, 75.2564, 91.6139)  
contains.

<b>XYZ(75.2208, 75.3784, 91.4738)</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(75.2208, 75.3784,  
91.4738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EADDEE
RGB	234, 221, 238
RGB Percent	92%, 87%, 93%
CMY	0.0823, 0.1333, 0.0667
CMYK	0.02, 0.07, 0.00, 0.07
HSL	286°, 33%, 90%
HSV	286°, 7%, 93%
XYZ	75.2208, 75.3784, 91.4738
YIQ	226.8250, 2.2910, 8.0430

# Conversions

## Conversions Part 2

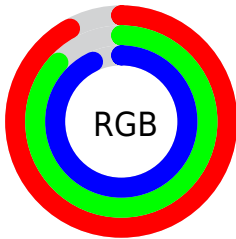
Format	Color
R <sub>Y</sub> B	234, 221, 238
Decimal	15392238
CIE Lab	89.57, 7.45, -6.70
CIE LCh	90, 10.017, 318.031
Yxy	75.3784, 0.3107, 0.3114
Android (android.graphics.Color)	4293582318 (0xFFEADDEE)
YUV	226.8250, 5.5093, 6.2925
Hunter-Lab	86.8207, 2.7147, -1.6931

# Details

The XYZ color **75.2208, 75.3784, 91.4738** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.6797, 82.3790, 80.3751**, and the grayscale version is **72.8485, 76.6423, 83.4635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4398, 40.1148, 49.8675** is the 20% darker color. If you saturate the color by 10%, you get **67.5680, 62.7586, 89.4424**, and if you desaturate by 10%, it is **83.8269, 89.8162, 93.8081**.

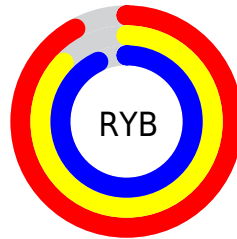
# Distribution



Red (92%)

Green (87%)

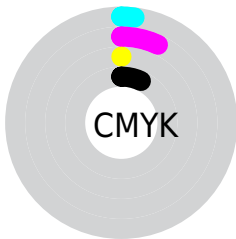
Blue (93%)



Red (92%)

Yellow (87%)

Blue (93%)

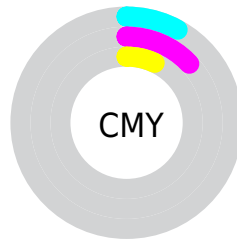


Cyan (2%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (8%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2208, 75.3784, 91.4738 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 75.2208, 75.3784, 91.4738 by changing the saturation by 10% instead.



75.2208, 75.3784,  
91.4738

75.2208, 75.3784,  
91.4738

467.6616,  
479.2172, 553.5068

56.0886, 55.9229,  
68.6231

125.6111,  
126.8479, 151.3372

40.5112, 40.1411,  
49.9349

157.5999,  
159.6307, 189.1870

28.1234, 27.6486,  
34.9909

194.6050,  
197.6247, 232.8736

18.5596, 18.0609,  
23.3724

236.9917,  
241.2143, 282.8155

11.4546, 10.9938,  
14.6608

285.1253,  
290.7840, 339.4312

6.4430, 6.0626,  
8.4377

339.3713,

3.1595, 2.8832,

346.7181, 403.1393

4.2845

400.0950,  
409.4010, 474.3583

■ 1.2387, 1.0711,  
1.7827

■ 0.1366, 0.0000,  
0.4165

■ 75.2208, 75.3784,  
91.4738

■ 75.2208, 75.3784,  
91.4738

■ 67.5680, 62.7586,  
89.4424

■ 83.8269, 89.8162,  
93.8081

■ 60.8241, 51.8721,  
87.6966

■ 88.9200, 97.1422,  
94.9537

■ 54.9508, 42.6423,  
86.2246

■ 90.9060, 98.1660,  
95.0467

■ 49.9045, 34.9824,  
85.0120

■ 92.4328, 98.9531,  
95.1181

■ 45.6376, 28.7983,  
84.0433

■ 42.0973, 23.9851,  
83.3008

■ 39.2239, 20.4242,  
82.7649

■ 36.9473, 17.9764,  
82.4125

■ 35.1768, 16.4612,  
82.2133

# Harmonies

## Analogous

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



73.1195, 75.3784, 95.6459



75.2208, 75.3784, 91.4738



76.3741, 75.3784, 84.9167

# Triad

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



75.2208, 75.3784, 91.4738



72.6306, 75.3784, 69.5188



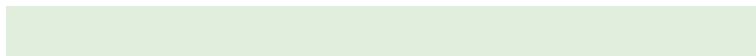
67.2392, 75.3784, 86.3406

# Complementary

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



75.2208, 75.3784, 91.4738



74.6797, 82.3790, 80.3751

# 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.



67.1151, 75.3784, 79.2960



75.2208, 75.3784, 91.4738



70.1903, 75.3784, 69.8513

# Square

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



75.2208, 75.3784, 91.4738



74.8559, 75.3784, 72.4056



68.1842, 75.3784, 73.3418



68.5271, 75.3784, 92.5674

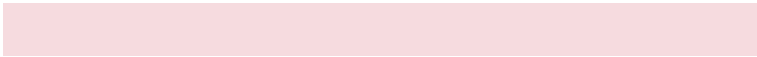


# Rectangle

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



75.2208, 75.3784, 91.4738



76.4330, 75.3784, 80.1956



68.1842, 75.3784, 73.3418



67.0611, 75.3784, 83.9821

# Sweetspot

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



75.2230, 75.3816, 91.4754



93.0044, 96.5622, 108.3442



72.2473, 75.5342, 91.6617



19.9282, 20.7043, 23.1959



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.



75.2230, 75.3816, 91.4754



86.2016, 85.2114, 106.5119



75.9340, 75.8195, 88.2880



16.0695, 15.8331, 19.9307



19.4916, 9.0537, 45.8481



1.7083, 0.7979, 3.8182

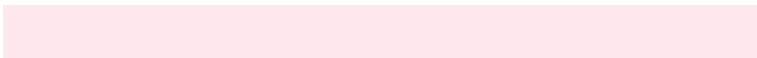


# Inverse Universe

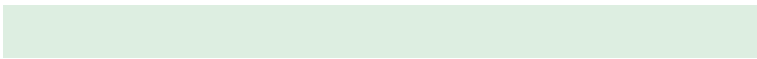
The Inverse Universe completely reimagines the original color for something new.



74.7096, 75.3297, 81.8402



85.4627, 85.1422, 92.3962



74.0208, 81.9730, 83.3374



15.9252, 15.8198, 17.1624



20.1113, 10.3169, 3.2368

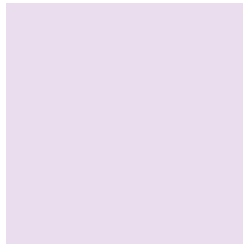


1.7104, 0.8732, 0.4660



# Previews

## White Background



This preview shows how the XYZ color 75.2208, 75.3784, 91.4738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

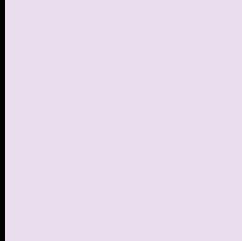
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2208, 75.3784, 91.4738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

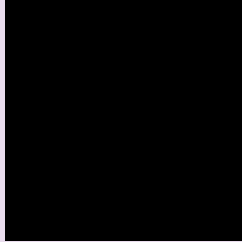
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

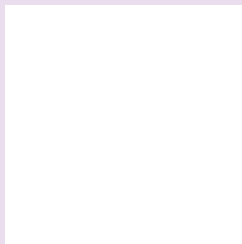
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.2208, 75.3784, 91.4738

## Background



This preview shows how black text looks on a background with the XYZ color 75.2208, 75.3784, 91.4738.



This preview shows how white text looks on a background with the XYZ color 75.2208, 75.3784,

91.4738.

# 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

75.2208, 75.3784, 91.4738

### Protanopia

73.4352, 75.6101, 93.1618

### Deuteranopia

77.0398, 75.5369, 91.4086



## **Tritanopia**

75.2208, 75.3784, 91.4738

# Trichromacy



## Original Color

75.2208, 75.3784, 91.4738

## Protanomaly

73.9626, 75.5013, 92.3363

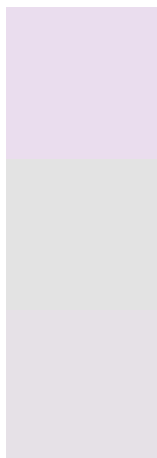
## Deuteranomaly

76.2857, 75.5366, 91.4482

## Tritanomaly

75.2208, 75.3784, 91.4738

# Monochromacy



## Original Color

75.2208, 75.3784, 91.4738

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.9821, 76.4429, 86.4570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2208, 75.3784, 91.4738 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(234, 221, 238) looks like.

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

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

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

## Border

The CSS property to change the border of an element to XYZ 75.2208, 75.3784, 91.4738 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(234, 221, 238) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 75.2208, 75.3784, 91.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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