

# Converting Colors

XYZ(76.7555, 75.8077, 92.1677)

Have a look what the booklet for  
XYZ(76.7555, 75.8077, 92.1677)  
contains.

<b>XYZ(76.7698, 75.7691, 92.2401)</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(76.7698, 75.7691,  
92.2401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFDCEF
RGB	239, 220, 239
RGB Percent	94%, 86%, 94%
CMY	0.0627, 0.1372, 0.0627
CMYK	0.00, 0.08, 0.00, 0.06
HSL	300°, 37%, 90%
HSV	300°, 8%, 94%
XYZ	76.7698, 75.7691, 92.2401
YIQ	227.8470, 5.2250, 9.9370

# Conversions

## Conversions Part 2

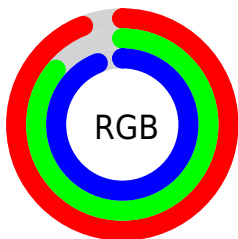
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 220, 239
Decimal	15719663
CIE Lab	89.75, 9.82, -6.91
CIE LCh	90, 12.005, 324.855
Yxy	75.7691, 0.3136, 0.3095
Android (android.graphics.Color)	4293909743 (0xFFEFDCEF)
YUV	227.8470, 5.4984, 9.7812
Hunter-Lab	87.0454, 5.0987, -1.8965

# Details

The XYZ color **76.7698, 75.7691, 92.2401** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.3028, 82.1181, 79.7009**, and the grayscale version is **73.5913, 77.4238, 84.3145**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5308, 40.3964, 50.4081** is the 20% darker color. If you saturate the color by 10%, you get **70.9410, 64.1105, 90.2980**, and if you desaturate by 10%, it is **83.4997, 89.2277, 94.4844**.

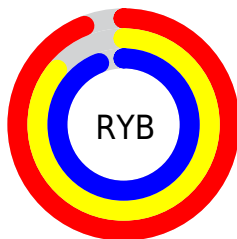
# Distribution



Red (94%)

Green (86%)

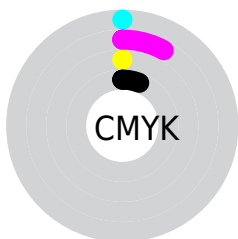
Blue (94%)



Red (94%)

Yellow (86%)

Blue (94%)

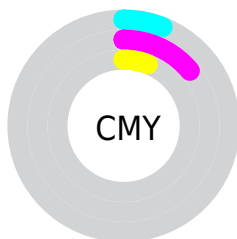


Cyan (0%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (6%)

Magenta (14%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7698, 75.7691, 92.2401 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 76.7698, 75.7691, 92.2401 by changing the saturation by 10% instead.



76.7698, 75.7691,  
92.2401

76.7698, 75.7691,  
92.2401

472.8828,  
480.5569, 556.0482

57.3632, 56.2432,  
69.2559

127.7890,  
127.4005, 152.4087

41.5382, 40.3979,  
50.4471

160.1324,  
160.2747, 190.4302

28.9294, 27.8489,  
35.3951

197.5188,  
198.3672, 234.3012

19.1714, 18.2118,  
23.6814

240.3135,  
242.0623, 284.4403

11.8990, 11.1022,  
14.8875

288.8819,  
291.7444, 341.2661

6.7466, 6.1356,  
8.5947

343.5893,

3.3491, 2.9277,

347.7980, 405.1969

4.3846

404.8012,  
410.6073, 476.6514

■ 1.3409, 1.0941,  
1.8386

■ 0.2135, 0.0000,  
0.4532

■ 76.7698, 75.7691,  
92.2401

■ 76.7698, 75.7691,  
92.2401

■ 70.9410, 64.1105,  
90.2980

■ 83.4997, 89.2277,  
94.4844

■ 65.9689, 54.1663,  
88.6406

■ 86.9374, 96.1031,  
95.6304

■ 61.8151, 45.8587,  
87.2559

■ 86.9374, 96.1031,  
95.6305

■ 58.4358, 39.1001,  
86.1293

■ 86.9374, 96.1031,  
95.6305

55.7830, 33.7945,  
85.2450

86.9374, 96.1031,  
95.6306

53.8036, 29.8356,  
84.5851

86.9375, 96.1031,  
95.6307

52.4369, 27.1024,  
84.1295

86.9375, 96.1031,  
95.6308

51.6118, 25.4522,  
83.8544

86.9375, 96.1031,  
95.6309

51.2304, 24.6895,  
83.7272

86.9375, 96.1031,  
95.6310

# Harmonies

## Analogous

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



74.4344, 75.7691, 98.1867



76.7698, 75.7691, 92.2401



77.8332, 75.7691, 83.9696

# Triad

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



76.7698, 75.7691, 92.2401



72.5277, 75.7691, 67.3109



66.9758, 75.7691, 89.5404

# Complementary

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



76.7698, 75.7691, 92.2401



73.3028, 82.1181, 79.7009

# 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.



66.4966, 75.7691, 81.0470



76.7698, 75.7691, 92.2401



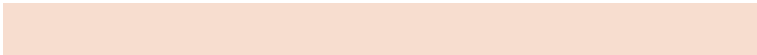
69.6510, 75.7691, 68.5794

# Square

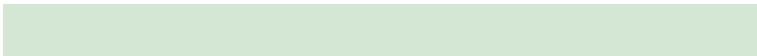
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7698, 75.7691, 92.2401



75.3415, 75.7691, 69.8794



67.4631, 75.7691, 73.4703



68.7903, 75.7691, 96.5547

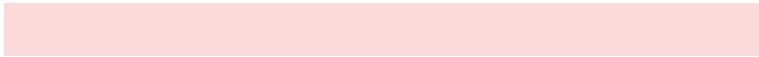


# Rectangle

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



76.7698, 75.7691, 92.2401



77.6572, 75.7691, 78.3920



67.4631, 75.7691, 73.4703



66.6553, 75.7691, 86.7483

# Sweetspot

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



76.7720, 75.7724, 92.2417



93.4445, 96.7891, 108.3648



70.6917, 72.6379, 91.9573



20.0178, 20.7505, 23.2001



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.



76.7720, 75.7724, 92.2417



87.4478, 84.7957, 106.3659



75.4051, 75.2256, 85.0436



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2590



2.3527, 1.1301, 3.8483



# Inverse Universe

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



76.7720, 75.7724, 92.2417



87.4478, 84.7957, 106.3659



74.5971, 82.6358, 86.5165



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2590

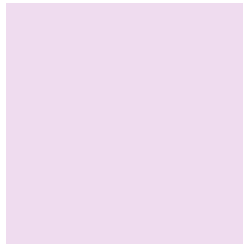


2.3527, 1.1301, 3.8483



# Previews

## White Background



This preview shows how the XYZ color 76.7698, 75.7691, 92.2401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

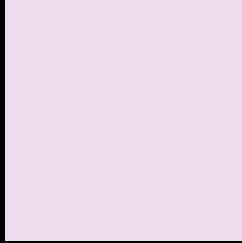
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7698, 75.7691, 92.2401 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 76.7698, 75.7691, 92.2401

## Background



This preview shows how black text looks on a background with the XYZ color 76.7698, 75.7691, 92.2401.



This preview shows how white text looks on a background with the XYZ color 76.7698, 75.7691,



# 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

76.7698, 75.7691, 92.2401

### Protanopia

73.7340, 75.7297, 94.7355

### Deuteranopia

77.1871, 75.5958, 92.1846



## Tritanopia

76.6224, 75.7102, 91.4640

# Trichromacy



## Original Color

76.7698, 75.7691, 92.2401

## Protanomaly

74.8980, 75.9492, 93.9312

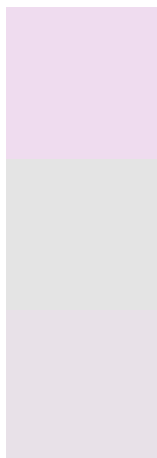
## Deuteranomaly

76.8467, 75.4203, 92.1687

## Tritanomaly

76.6224, 75.7102, 91.4640

# Monochromacy



## Original Color

76.7698, 75.7691, 92.2401

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.7694, 76.8324, 87.2333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7698, 75.7691, 92.2401 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(239, 220, 239) looks like.

```
.text, #text, p{  
    color:rgb(239, 220, 239)  
}
```

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(239, 220, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 220, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7698, 75.7691, 92.2401 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(239, 220, 239) }
```



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

```
.border{ border-color:rgb(239, 220, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 220, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 220, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 220, 239);  
box-shadow:4px 4px 4px 4px rgb(239, 220,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7698, 75.7691, 92.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 220, 239) }
```

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

```
.background{ background-color: rgb(239,  
220, 239) }
```

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