

# Converting Colors

XYZ(77.1397, 75.2983, 93.4009)

Have a look what the booklet for  
XYZ(77.1397, 75.2983, 93.4009)  
contains.

<b>XYZ(77.2242, 75.1945, 93.6629)</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(77.2242, 75.1945,  
93.6629)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1DAF1
RGB	241, 218, 241
RGB Percent	95%, 85%, 95%
CMY	0.0549, 0.1451, 0.0549
CMYK	0.00, 0.10, 0.00, 0.05
HSL	300°, 45%, 90%
HSV	300°, 10%, 95%
XYZ	77.2242, 75.1945, 93.6629
YIQ	227.4990, 6.3250, 12.0290

# Conversions

## Conversions Part 2

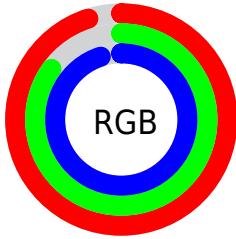
Format	Color
R <sub>Y</sub> B	241, 218, 241
Decimal	15850225
CIE Lab	89.48, 11.89, -8.34
CIE LCh	89, 14.522, 324.947
Yxy	75.1945, 0.3138, 0.3056
Android (android.graphics.Color)	4294040305 (0xFFF1DAF1)
YUV	227.4990, 6.6560, 11.8404
Hunter-Lab	86.7148, 7.2131, -3.3404

# Details

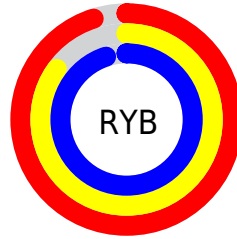
The XYZ color **77.2242, 75.1945, 93.6629** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.0265, 82.8800, 78.4821**, and the grayscale version is **73.3287, 77.1475, 84.0136**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8617, 40.0115, 51.4156** is the 20% darker color. If you saturate the color by 10%, you get **71.4243, 63.5935, 91.7305**, and if you desaturate by 10%, it is **83.9372, 88.6193, 95.9015**.

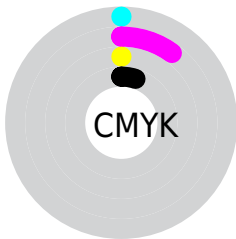
# Distribution



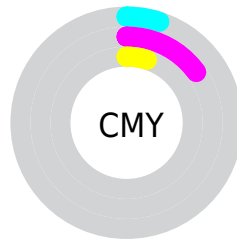
- Red (95%)
- Green (85%)
- Blue (95%)



- Red (95%)
- Yellow (85%)
- Blue (95%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (5%)
- Magenta (15%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2242, 75.1945, 93.6629 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 77.2242, 75.1945, 93.6629 by changing the saturation by 10% instead.



77.2242, 75.1945,  
93.6629

77.2242, 75.1945,  
93.6629

474.4083,  
478.5858, 560.7501

57.7375, 55.7722,  
70.4319

128.4271,  
126.5876, 154.3957

41.8401, 40.0203,  
51.3997

160.8739,  
159.3273, 192.7345

29.1666, 27.5544,  
36.1479

198.3715,  
197.2749, 236.9464

19.3518, 17.9900,  
24.2578

241.2853,  
240.8149, 287.4499

12.0303, 10.9428,  
15.3110

289.9804,  
290.3316, 344.6634

6.8367, 6.0284,  
8.8889

344.8224,

3.4056, 2.8624,

346.2093, 409.0056

4.5730

406.1766,  
408.8326, 480.8950

■ 1.3717, 1.0603,  
1.9447

■ 0.2359, 0.0000,  
0.5209

■ 77.2242, 75.1945,  
93.6629

■ 77.2242, 75.1945,  
93.6629

■ 71.4243, 63.5935,  
91.7305

■ 83.9372, 88.6193,  
95.9015

■ 66.4918, 53.7285,  
90.0862

■ 87.9135, 96.5720,  
97.2270

■ 62.3870, 45.5190,  
88.7180

■ 87.9135, 96.5720,  
97.2270

■ 59.0646, 38.8743,  
87.6105

■ 87.9135, 96.5720,  
97.2271

56.4750, 33.6950,  
86.7472

87.9136, 96.5720,  
97.2271

54.5627, 29.8704,  
86.1097

87.9136, 96.5720,  
97.2271

53.2646, 27.2742,  
85.6770

87.9136, 96.5720,  
97.2272

52.5055, 25.7560,  
85.4239

87.9136, 96.5720,  
97.2272

52.1654, 25.0759,  
85.3105

87.9136, 96.5720,  
97.2273

# Harmonies

## Analogous

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



74.3977, 75.1945, 100.9757



77.2242, 75.1945, 93.6629



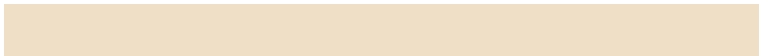
78.5112, 75.1945, 83.6135

# Triad

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



77.2242, 75.1945, 93.6629



72.0750, 75.1945, 63.8499



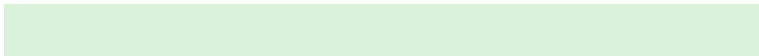
65.4388, 75.1945, 90.4283

# Complementary

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



77.2242, 75.1945, 93.6629



73.0265, 82.8800, 78.4821

# 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.



64.8631, 75.1945, 80.1588



77.2242, 75.1945, 93.6629



68.6203, 75.1945, 65.3473

# Square

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



77.2242, 75.1945, 93.6629



75.4759, 75.1945, 66.8449



66.0092, 75.1945, 71.1183



67.6086, 75.1945, 99.0022



# Rectangle

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



77.2242, 75.1945, 93.6629



78.2930, 75.1945, 76.9187



66.0092, 75.1945, 71.1183



65.0556, 75.1945, 87.0378

# Sweetspot

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



77.2264, 75.1977, 93.6645



92.6579, 95.2158, 108.1026



69.8654, 71.4030, 93.3201



19.6993, 20.1134, 23.0940



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.



77.2264, 75.1977, 93.6645



86.7454, 83.3908, 106.1318



75.5623, 74.5321, 84.9015



16.4543, 16.0314, 19.9487



28.2813, 13.5849, 46.2592



2.3527, 1.1301, 3.8483



# Inverse Universe

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



77.2264, 75.1977, 93.6645



86.7454, 83.3908, 106.1318



74.5842, 83.5031, 86.6846



16.4543, 16.0314, 19.9487



28.2813, 13.5849, 46.2592

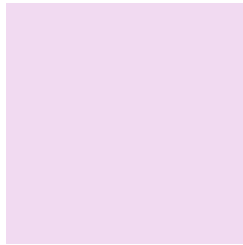


2.3527, 1.1301, 3.8483



# Previews

## White Background



This preview shows how the XYZ color 77.2242, 75.1945, 93.6629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

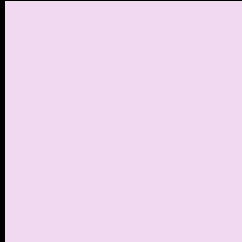
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2242, 75.1945, 93.6629 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

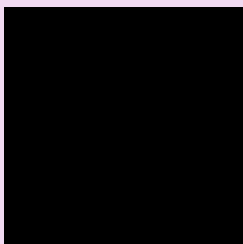
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.2242, 75.1945, 93.6629**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2242, 75.1945, 93.6629.



This preview shows how white text looks on a background with the XYZ color 77.2242, 75.1945,

93.6629.

# 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

77.2242, 75.1945, 93.6629

### Protanopia

73.4162, 75.5309, 96.2974

### Deuteranopia

77.1439, 75.5392, 93.7337



## Tritanopia

76.4070, 75.2444, 89.8534

# Trichromacy



## Original Color

77.2242, 75.1945, 93.6629

## Protanomaly

74.9321, 75.5366, 95.4247

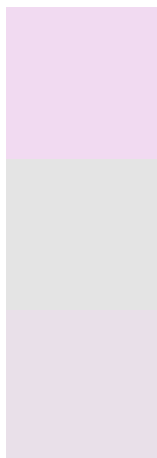
## Deuteranomaly

77.1439, 75.5392, 93.7337

## Tritanomaly

76.6993, 75.3613, 91.3926

# Monochromacy



## Original Color

77.2242, 75.1945, 93.6629

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.9679, 76.5181, 87.9090

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2242, 75.1945, 93.6629 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(241, 218, 241)` looks like.

```
.text, #text, p{  
    color:rgb(241, 218, 241)  
}
```

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(241, 218, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 218, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2242, 75.1945, 93.6629 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(241, 218, 241) }
```



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

```
.border{ border-color:rgb(241, 218, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 218, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 218, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 218, 241);  
box-shadow:4px 4px 4px 4px rgb(241, 218,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2242, 75.1945, 93.6629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 218, 241) }
```

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

```
.background{ background-color: rgb(241,  
218, 241) }
```

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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