

# Converting Colors

XYZ(77.7605, 76.7046, 90.8278)

Have a look what the booklet for  
XYZ(77.7605, 76.7046, 90.8278)  
contains.

<b>XYZ(77.7605, 76.7046, 90.8278)</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(77.7605, 76.7046,  
90.8278)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2DDED
RGB	242, 221, 237
RGB Percent	95%, 87%, 93%
CMY	0.0510, 0.1333, 0.0706
CMYK	0.00, 0.09, 0.02, 0.05
HSL	314°, 45%, 91%
HSV	314°, 9%, 95%
XYZ	77.7605, 76.7046, 90.8278
YIQ	229.1030, 7.3800, 9.4280

# Conversions

## Conversions Part 2

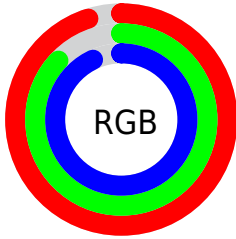
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 221, 237
Decimal	15916525
CIE Lab	90.19, 9.94, -5.19
CIE LCh	90, 11.217, 332.425
Yxy	76.7046, 0.3170, 0.3127
Android (android.graphics.Color)	4294106605 (0xFFFF2DDED)
YUV	229.1030, 3.8932, 11.3107
Hunter-Lab	87.5812, 5.2174, -0.1811

# Details

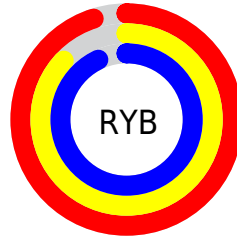
The XYZ color **77.7605, 76.7046, 90.8278** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3014, 84.3695, 84.2718**, and the grayscale version is **74.5223, 78.4033, 85.3812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2264, 41.0477, 49.4135** is the 20% darker color. If you saturate the color by 10%, you get **70.9981, 64.5048, 84.4865**, and if you desaturate by 10%, it is **85.4753, 90.7638, 97.6219**.

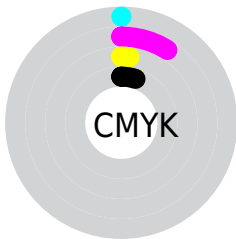
# Distribution



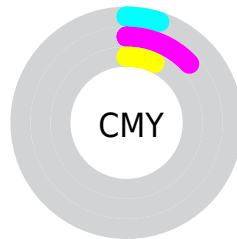
- Red (95%)
- Green (87%)
- Blue (93%)



- Red (95%)
- Yellow (87%)
- Blue (93%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (5%)



- Cyan (5%)
- Magenta (13%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7605, 76.7046, 90.8278 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 77.7605, 76.7046, 90.8278 by changing the saturation by 10% instead.



77.7605, 76.7046,  
90.8278

77.7605, 76.7046,  
90.8278

476.2053,  
483.7563, 551.3594

58.1794, 57.0105,  
68.0898

129.1796,  
128.7224, 150.4333

42.1967, 41.0136,  
49.5037

161.7483,  
161.8149, 188.1379

29.4471, 28.3297,  
34.6508

199.3768,  
200.1422, 231.6684

19.5653, 18.5744,  
23.1126

242.4306,  
244.0889, 281.4434

12.1859, 11.3631,  
14.4706

291.2750,  
294.0392, 337.8815

6.9435, 6.3116,  
8.3062

346.2754,

3.4728, 3.0355,

350.3776, 401.4012

4.2009

407.7970,  
413.4885, 472.4210

■ 1.4084, 1.1503,  
1.7362

■ 0.2622, 0.0205,  
0.3854

■ 77.7605, 76.7046,  
90.8278

■ 77.7605, 76.7046,  
90.8278

■ 70.9981, 64.5048,  
84.4865

■ 85.4753, 90.7638,  
97.6219

■ 65.1420, 54.0757,  
78.5787

■ 89.4038, 97.2076,  
103.2878

■ 60.1522, 45.3367,  
73.0907

■ 90.3145, 97.5719,  
108.0837

■ 55.9829, 38.1967,  
68.0060

■ 90.4285, 97.6175,  
108.6837

■ 52.5841, 32.5560,  
63.3067

■ 49.9003, 28.3038,  
58.9728

■ 47.8679, 25.3140,  
54.9819

■ 46.4123, 23.4371,  
51.3078

■ 45.4242, 22.4555,  
47.9126

# Harmonies

## Analogous

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



75.8173, 76.7046, 97.1574



77.7605, 76.7046, 90.8278



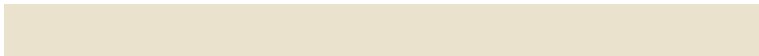
78.3928, 76.7046, 82.8706

# Triad

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



77.7605, 76.7046, 90.8278



72.6789, 76.7046, 69.1010



68.4740, 76.7046, 92.0225

# Complementary

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



77.7605, 76.7046, 90.8278



75.3014, 84.3695, 84.2718

# 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.



67.6803, 76.7046, 84.1693



77.7605, 76.7046, 90.8278



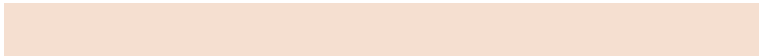
70.0690, 76.7046, 71.2193

# Square

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



77.7605, 76.7046, 90.8278



75.4149, 76.7046, 70.6370



68.2568, 76.7046, 76.6118



70.4522, 76.7046, 97.8775

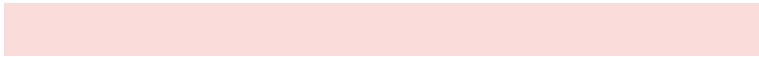


# Rectangle

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



77.7605, 76.7046, 90.8278



77.9732, 76.7046, 77.7983



68.2568, 76.7046, 76.6118



68.0621, 76.7046, 89.5119

# Sweetspot

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



77.7627, 76.7079, 90.8295



92.3659, 95.0990, 106.5651



73.2194, 74.2801, 94.4841



19.6202, 20.0818, 22.6774



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

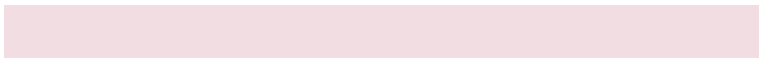
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7627, 76.7079, 90.8295



86.4854, 84.4107, 101.2977



76.2870, 76.1177, 83.0586



16.2839, 15.9633, 19.0513



24.3960, 12.0308, 25.7995



2.0678, 1.0162, 2.3477



# Inverse Universe

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



77.7627, 76.7079, 90.8295



86.4854, 84.4107, 101.2977



76.7720, 84.9578, 92.0161



16.2839, 15.9633, 19.0513



24.3960, 12.0308, 25.7995

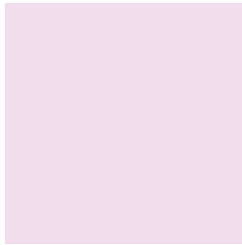


2.0678, 1.0162, 2.3477



# Previews

## White Background



This preview shows how the XYZ color 77.7605, 76.7046, 90.8278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

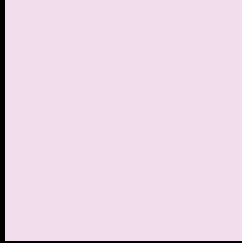
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.7605, 76.7046, 90.8278 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 77.7605, 76.7046, 90.8278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.7605, 76.7046, 90.8278.



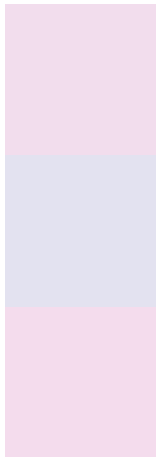
This preview shows how white text looks on a background with the XYZ color 77.7605, 76.7046,

90.8278.

# 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

77.7605, 76.7046, 90.8278

### Protanopia

74.6031, 77.0149, 93.3714

### Deuteranopia

78.1875, 76.5339, 90.7724



## Tritanopia

77.9070, 76.7632, 91.5996

# Trichromacy



## Original Color

77.7605, 76.7046, 90.8278

## Protanomaly

75.5144, 76.6991, 92.4857

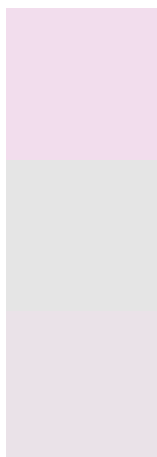
## Deuteranomaly

77.8414, 76.3555, 90.7562

## Tritanomaly

77.9070, 76.7632, 91.5996

# Monochromacy



## Original Color

77.7605, 76.7046, 90.8278

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.6935, 77.7113, 87.3542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.7605, 76.7046, 90.8278 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(242, 221, 237) looks like.

```
.text, #text, p{  
    color:rgb(242, 221, 237)  
}
```

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(242, 221, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 221, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 77.7605, 76.7046, 90.8278 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(242, 221, 237) }
```



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

```
.border{ border-color:rgb(242, 221, 237) }
```

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

Here you see how a box with a 4 pixel rgb(242, 221, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 221, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 221, 237);  
box-shadow:4px 4px 4px 4px rgb(242, 221,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.7605, 76.7046, 90.8278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 221, 237) }
```

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

```
.background{ background-color: rgb(242,  
221, 237) }
```

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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