

# Converting Colors

XYZ(77.7877, 78.3924, 94.7019)

Have a look what the booklet for  
XYZ(77.7877, 78.3924, 94.7019)  
contains.

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# Color

**XYZ(77.8773, 78.2658,  
95.0066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE1F2
RGB	237, 225, 242
RGB Percent	93%, 88%, 95%
CMY	0.0706, 0.1176, 0.0510
CMYK	0.02, 0.07, 0.00, 0.05
HSL	282°, 40%, 92%
HSV	282°, 7%, 95%
XYZ	77.8773, 78.2658, 95.0066
YIQ	230.5260, 1.6950, 7.8310

# Conversions

## Conversions Part 2

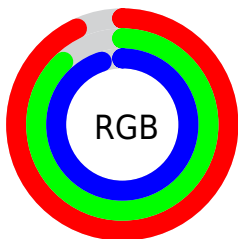
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 225, 242
Decimal	15589874
CIE Lab	90.90, 7.09, -6.80
CIE LCh	91, 9.827, 316.193
Yxy	78.2658, 0.3101, 0.3116
Android (android.graphics.Color)	4293779954 (0xFFEDE1F2)
YUV	230.5260, 5.6567, 5.6777
Hunter-Lab	88.4680, 2.3125, -1.7445

# Details

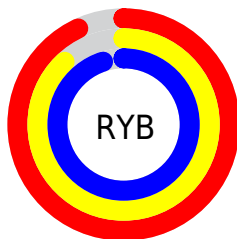
The XYZ color **77.8773, 78.2658, 95.0066** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.9788, 85.7655, 83.6826**, and the grayscale version is **75.5639, 79.4992, 86.5746**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2937, 42.1184, 52.3549** is the 20% darker color. If you saturate the color by 10%, you get **69.4640, 64.8971, 92.8708**, and if you desaturate by 10%, it is **87.3167, 93.5442, 97.4593**.

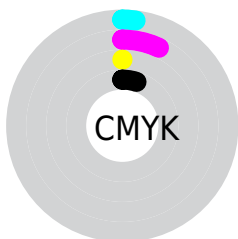
# Distribution



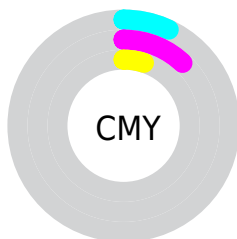
- Red (93%)
- Green (88%)
- Blue (95%)



- Red (93%)
- Yellow (88%)
- Blue (95%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)



- Cyan (7%)
- Magenta (12%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8773, 78.2658, 95.0066 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 77.8773, 78.2658, 95.0066 by changing the saturation by 10% instead.



77.8773, 78.2658,  
95.0066

77.8773, 78.2658,  
95.0066

476.5962,  
489.0690, 565.1710

58.2756, 58.2924,  
71.5435

129.3434,  
130.9247, 156.2694

42.2744, 42.0437,  
52.3013

161.9386,  
164.3790, 194.9062

29.5083, 29.1355,  
36.8614

199.5956,  
203.0957, 239.4380

19.6119, 19.1834,  
24.8053

242.6798,  
247.4592, 290.2834

12.2198, 11.8029,  
15.7143

291.5567,  
297.8539, 347.8608

6.9668, 6.6096,  
9.1701

346.5914,

3.4875, 3.2192,

354.6642, 412.5888

4.7540

408.1495,  
418.2744, 484.8861

■ 1.4165, 1.2472,  
2.0474

■ 0.2679, 0.0998,  
0.5842

■ 77.8773, 78.2658,  
95.0066

■ 77.8773, 78.2658,  
95.0066

■ 69.4640, 64.8971,  
92.8708

■ 87.3167, 93.5442,  
97.4593

■ 62.0301, 53.3499,  
91.0338

■ 91.6574, 98.4847,  
98.1841

■ 55.5353, 43.5440,  
89.4833

■ 93.0272, 99.1909,  
98.2482

■ 49.9336, 35.3890,  
88.2045

■ 45.1748, 28.7864,  
87.1809

■ 41.2036, 23.6270,  
86.3944

■ 37.9570, 19.7871,  
85.8243

■ 35.3617, 17.1213,  
85.4465

■ 33.3236, 15.4436,  
85.2301

# Harmonies

## Analogous

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



75.7245, 78.2658, 98.9902



77.8773, 78.2658, 95.0066



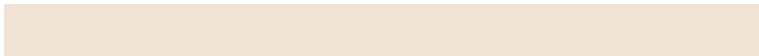
79.1077, 78.2658, 88.5128

# Triad

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



77.8773, 78.2658, 95.0066



75.5310, 78.2658, 72.6545



69.9115, 78.2658, 89.0763

# Complementary

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



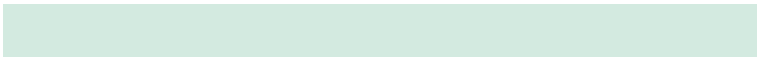
77.8773, 78.2658, 95.0066



77.9788, 85.7655, 83.6826

# 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.



69.8623, 78.2658, 82.0062



77.8773, 78.2658, 95.0066



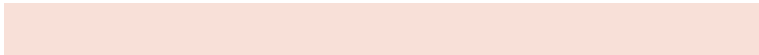
73.0699, 78.2658, 72.7867

# Square

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



77.8773, 78.2658, 95.0066



77.7329, 78.2658, 75.7546



71.0070, 78.2658, 76.1262



71.1430, 78.2658, 95.4387

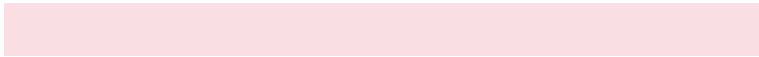


# Rectangle

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



77.8773, 78.2658, 95.0066



79.2221, 78.2658, 83.7561



71.0070, 78.2658, 76.1262



69.7571, 78.2658, 86.6971

# Sweetspot

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



77.8796, 78.2692, 95.0083



92.8947, 96.5056, 108.3391



75.4062, 79.0711, 95.2935



19.9059, 20.6928, 23.1949



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.



77.8796, 78.2692, 95.0083



86.7104, 86.5474, 106.7429



79.0664, 78.9395, 92.4232



15.9751, 15.7844, 19.9263



17.7529, 8.1574, 45.7667



1.5757, 0.7296, 3.8120



# Inverse Universe

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



77.8288, 78.4444, 85.9061



86.6516, 86.7749, 95.0893



76.8655, 85.1375, 86.0757



15.9641, 15.8353, 17.3671



20.3376, 10.4075, 4.4282

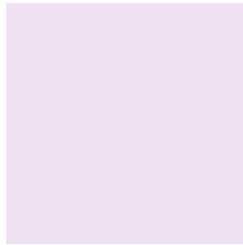


1.7338, 0.8826, 0.5891



# Previews

## White Background



This preview shows how the XYZ color 77.8773, 78.2658, 95.0066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

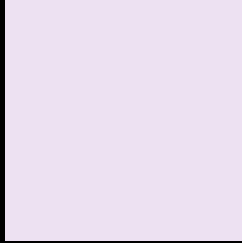
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.8773, 78.2658, 95.0066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

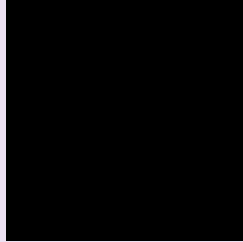
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

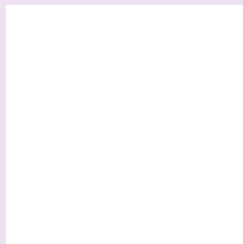
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.8773, 78.2658, 95.0066**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.8773, 78.2658, 95.0066.



This preview shows how white text looks on a background with the XYZ color 77.8773, 78.2658,

95.0066.

# 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

77.8773, 78.2658, 95.0066

### Protanopia

76.3856, 78.6765, 96.7481

### Deuteranopia

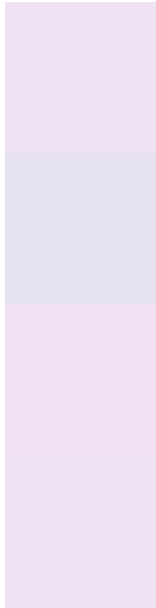
79.9551, 78.1261, 95.6598



## **Tritanopia**

78.0279, 78.3260, 95.7999

# Trichromacy



## Original Color

77.8773, 78.2658, 95.0066

## Protanomaly

76.9255, 78.5650, 95.9042

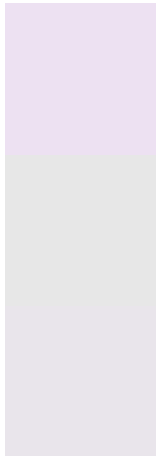
## Deuteranomaly

79.1833, 78.1237, 95.7000

## Tritanomaly

78.0279, 78.3260, 95.7999

# Monochromacy



## Original Color

77.8773, 78.2658, 95.0066

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.6190, 79.3604, 89.8771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.8773, 78.2658, 95.0066 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(237, 225, 242) looks like.

```
.text, #text, p{  
    color:rgb(237, 225, 242)  
}
```

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(237, 225, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 225, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 77.8773, 78.2658, 95.0066 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(237, 225, 242) }
```



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

```
.border{ border-color:rgb(237, 225, 242) }
```

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

Here you see how a box with a 4 pixel rgb(237, 225, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 225, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 225, 242);  
box-shadow:4px 4px 4px 4px rgb(237, 225,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.8773, 78.2658, 95.0066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 225, 242) }
```

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

```
.background{ background-color: rgb(237,  
225, 242) }
```

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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