

# Converting Colors

XYZ(75.3145, 77.6995, 97.4142)

Have a look what the booklet for  
XYZ(75.3145, 77.6995, 97.4142)  
contains.

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# Color

**XYZ(75.3145, 77.6995,  
97.4142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E3F5
RGB	226, 227, 245
RGB Percent	89%, 89%, 96%
CMY	0.1137, 0.1098, 0.0392
CMYK	0.08, 0.07, 0.00, 0.04
HSL	237°, 49%, 92%
HSV	237°, 8%, 96%
XYZ	75.3145, 77.6995, 97.4142
YIQ	228.7530, -6.3740, 5.3860

# Conversions

## Conversions Part 2

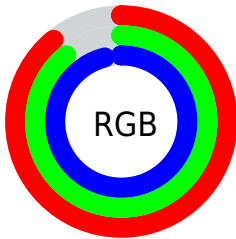
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 227, 245
Decimal	14869493
CIE <sub>Lab</sub>	90.64, 3.02, -8.85
CIE <sub>LCh</sub>	91, 9.349, 288.823
Y <sub>xy</sub>	77.6995, 0.3007, 0.3103
Android (android.graphics.Color)	4293059573 (0xFFE2E3F5)
Y <sub>UV</sub>	228.7530, 8.0098, -2.4144
Hunter-Lab	88.1473, -1.7445, -3.8200

# Details

The XYZ color **75.3145, 77.6995, 97.4142** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.7345, 89.6039, 84.8348**, and the grayscale version is **74.2429, 78.1094, 85.0611**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7324, 41.8371, 54.0727** is the 20% darker color. If you saturate the color by 10%, you get **62.2493, 62.1702, 95.1066**, and if you desaturate by 10%, it is **90.3374, 95.5121, 100.0618**.

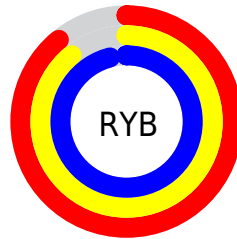
# Distribution



Red (89%)

Green (89%)

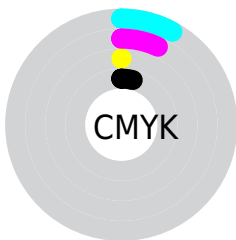
Blue (96%)



Red (89%)

Yellow (89%)

Blue (96%)

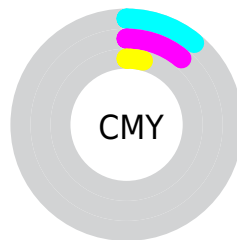


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (11%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3145, 77.6995, 97.4142 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 75.3145, 77.6995, 97.4142 by changing the saturation by 10% instead.



■ 75.3145, 77.6995,  
97.4142

■ 75.3145, 77.6995,  
97.4142

467.9784,  
487.1457, 573.0458

■ 56.1657, 57.8272,  
73.5380

125.7430,  
130.1264, 159.6199

■ 40.5733, 41.6697,  
53.9215

157.7533,  
163.4498, 198.7864

■ 28.1720, 28.8428,  
38.1461

194.7816,  
202.0256, 243.8869

■ 18.5965, 18.9619,  
25.7934

237.1930,  
246.2384, 295.3397

■ 11.4813, 11.6428,  
16.4448

285.3531,  
296.4723, 353.5635

■ 6.4612, 6.5009,  
9.6817

339.6271,

■ 3.1708, 3.1520,

353.1119, 418.9767

5.0856

400.3804,  
416.5416, 491.9980

■ 1.2447, 1.2116,  
2.2379

■ 0.1413, 0.0711,  
0.6961

■ 75.3145, 77.6995,  
97.4142

■ 75.3145, 77.6995,  
97.4142

■ 62.2493, 62.1702,  
95.1066

■ 90.3374, 95.5121,  
100.0618

■ 51.0547, 48.8225,  
93.1202

■ 93.4817, 99.3727,  
100.6412

■ 41.6472, 37.5617,  
91.4425

■ 33.9341, 28.2823,  
90.0579

■ 27.8146, 20.8694,  
88.9496

■ 23.1770, 15.1966,  
88.0991

■ 19.8953, 11.1215,  
87.4855

■ 17.8224, 8.4794,  
87.0847

■ 16.7693, 7.0657,  
86.8674

# Harmonies

## Analogous

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



72.9810, 77.6995, 97.9043



75.3145, 77.6995, 97.4142



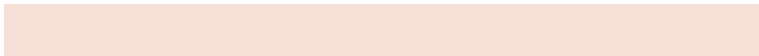
77.2950, 77.6995, 93.3860

# Triad

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



75.3145, 77.6995, 97.4142



76.8578, 77.6995, 75.2549



69.5179, 77.6995, 82.1245

# Complementary

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



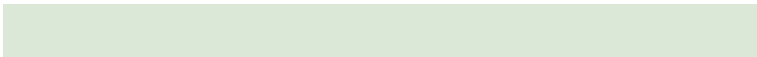
75.3145, 77.6995, 97.4142



83.7345, 89.6039, 84.8348

# 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.



70.5110, 77.6995, 76.3860



75.3145, 77.6995, 97.4142



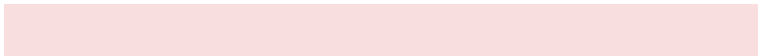
74.7280, 77.6995, 72.5619

# Square

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



75.3145, 77.6995, 97.4142



78.1989, 77.6995, 80.5056



72.4067, 77.6995, 72.9647



69.6674, 77.6995, 88.8341



# Rectangle

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



75.3145, 77.6995, 97.4142



78.1331, 77.6995, 89.3499



72.4067, 77.6995, 72.9647



69.7283, 77.6995, 80.0245

# Sweetspot

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



75.3168, 77.7028, 97.4159



91.6768, 96.0021, 108.3061



80.3063, 87.9903, 98.1282



19.6579, 20.5903, 23.1882



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.



75.3168, 77.7028, 97.4159



80.5582, 82.8106, 106.3459



77.6874, 78.5185, 97.4484



15.6514, 16.0670, 20.8189



8.9856, 3.7650, 46.7911

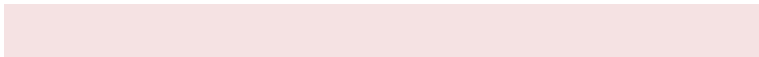


0.8140, 0.3794, 4.1206

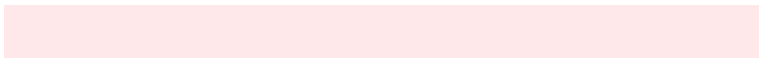


# Inverse Universe

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



78.7194, 79.3528, 83.8446



84.8562, 84.8996, 89.2022



81.2283, 88.7615, 84.8042



16.5346, 16.4967, 17.2958



20.3400, 10.4794, 1.2331

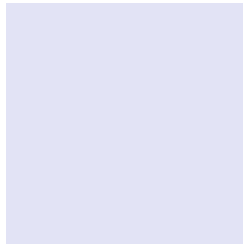


1.7999, 0.9259, 0.1728



# Previews

## White Background



This preview shows how the XYZ color 75.3145, 77.6995, 97.4142 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

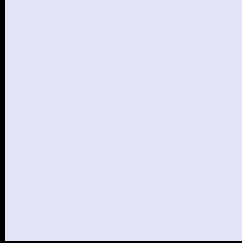
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3145, 77.6995, 97.4142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

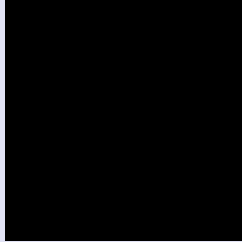
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.3145, 77.6995, 97.4142

## Background



This preview shows how black text looks on a background with the XYZ color 75.3145, 77.6995, 97.4142.



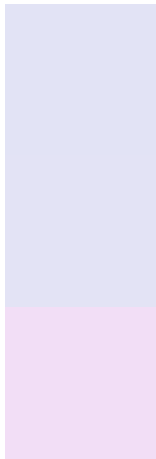
This preview shows how white text looks on a background with the XYZ color 75.3145, 77.6995,

97.4142.

# 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

75.3145, 77.6995, 97.4142

### Protanopia

75.6291, 77.8616, 97.4289

### Deuteranopia

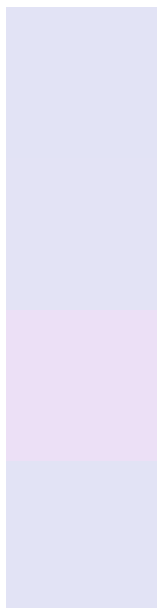
79.3738, 77.7736, 98.0171



## Tritanopia

75.3145, 77.6995, 97.4142

# Trichromacy



## Original Color

75.3145, 77.6995, 97.4142

## Protanomaly

75.6291, 77.8616, 97.4289

## Deuteranomaly

77.8823, 77.7980, 98.1005

## Tritanomaly

75.3145, 77.6995, 97.4142

# Monochromacy



## Original Color

75.3145, 77.6995, 97.4142

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.7337, 77.9789, 89.7098

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3145, 77.6995, 97.4142 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(226, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 245)  
}
```

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(226, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3145, 77.6995, 97.4142 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(226, 227, 245) }
```



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

```
.border{ border-color:rgb(226, 227, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 227, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 245);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3145, 77.6995, 97.4142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 245) }
```

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

```
.background{ background-color: rgb(226,  
227, 245) }
```

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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