

# Converting Colors

XYZ(74.8544, 77.5507, 94.7441)

Have a look what the booklet for  
XYZ(74.8544, 77.5507, 94.7441)  
contains.

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# **Color**

**XYZ(74.8601, 77.5177,  
95.0213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E3F2
RGB	226, 227, 242
RGB Percent	89%, 89%, 95%
CMY	0.1137, 0.1098, 0.0510
CMYK	0.07, 0.06, 0.00, 0.05
HSL	236°, 38%, 92%
HSV	236°, 7%, 95%
XYZ	74.8601, 77.5177, 95.0213
YIQ	228.4110, -5.4110, 4.4530

# Conversions

## Conversions Part 2

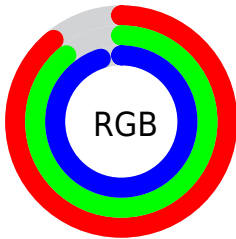
Format	Color
R <sub>Y</sub> B	226, 227, 242
Decimal	14869490
CIE Lab	90.56, 2.44, -7.40
CIE LCh	91, 7.794, 288.265
Yxy	77.5177, 0.3026, 0.3133
Android (android.graphics.Color)	4293059570 (0xFFE2E3F2)
YUV	228.4110, 6.6994, -2.1144
Hunter-Lab	88.0441, -2.3065, -2.3576

# Details

The XYZ color **74.8601, 77.5177, 95.0213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.8009, 87.2781, 84.4878**, and the grayscale version is **74.0009, 77.8547, 84.7838**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4100, 41.7081, 52.3750** is the 20% darker color. If you saturate the color by 10%, you get **62.0004, 62.2792, 92.7589**, and if you desaturate by 10%, it is **89.6126, 94.9495, 97.6096**.

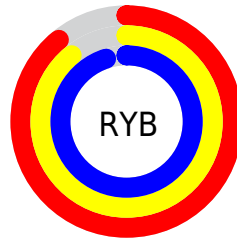
# Distribution



Red (89%)

Green (89%)

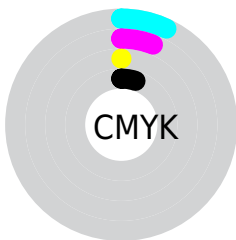
Blue (95%)



Red (89%)

Yellow (89%)

Blue (95%)

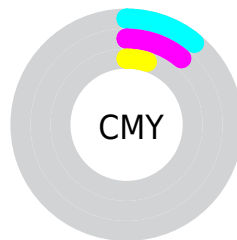


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (11%)

Magenta (11%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8601, 77.5177, 95.0213 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 74.8601, 77.5177, 95.0213 by changing the saturation by 10% instead.



■ 74.8601, 77.5177,  
95.0213

■ 74.8601, 77.5177,  
95.0213

466.4412,  
486.5273, 565.2192

■ 55.7921, 57.6779,  
71.5557

125.1033,  
129.8700, 156.2899

■ 40.2726, 41.5497,  
52.3112

157.0091,  
163.1513, 194.9299

■ 27.9363, 28.7489,  
36.8692

193.9249,  
201.6818, 239.4652

■ 18.4178, 18.8909,  
24.8113

236.2161,  
245.8460, 290.3143

■ 11.3519, 11.5915,  
15.7188

284.2479,  
296.0283, 347.8957

■ 6.3731, 6.4662,  
9.1732

338.3858,

■ 3.1160, 3.1306,

352.6130, 412.6280

4.7560

398.9951,  
415.9845, 484.9296

■ 1.2154, 1.2003,  
2.0486

■ 0.1185, 0.0619,  
0.5849

■ 74.8601, 77.5177,  
95.0213

■ 74.8601, 77.5177,  
95.0213

■ 62.0004, 62.2792,  
92.7589

■ 89.6126, 94.9495,  
97.6096

■ 50.9504, 49.1376,  
90.8048

■ 93.0272, 99.1909,  
98.2483

■ 41.6309, 38.0042,  
89.1470

■ 33.9541, 28.7799,  
87.7711

■ 27.8246, 21.3573,  
86.6615

■ 23.1370, 15.6184,  
85.8008

■ 19.7729, 11.4310,  
85.1699

■ 17.5948, 8.6432,  
84.7466

■ 16.4336, 7.0712,  
84.5044

# Harmonies

## Analogous

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



72.9180, 77.5177, 95.3644



74.8601, 77.5177, 95.0213



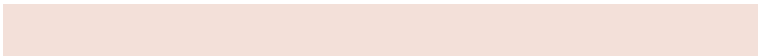
76.5129, 77.5177, 91.7586

# Triad

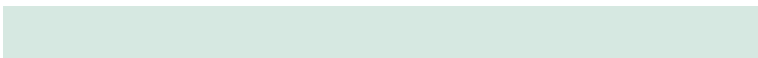
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8601, 77.5177, 95.0213



76.2035, 77.5177, 76.6384



70.0664, 77.5177, 82.2375

# Complementary

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



74.8601, 77.5177, 95.0213



81.8009, 87.2781, 84.4878

# Split Complementary

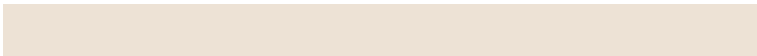
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9145, 77.5177, 77.4526



74.8601, 77.5177, 95.0213



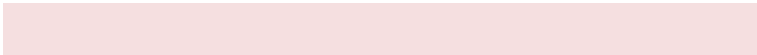
74.4438, 77.5177, 74.3165

# Square

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



74.8601, 77.5177, 95.0213



77.2979, 77.5177, 81.0814



72.5089, 77.5177, 74.6079



70.1734, 77.5177, 87.8154



# Rectangle

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



74.8601, 77.5177, 95.0213



77.2177, 77.5177, 88.4445



72.5089, 77.5177, 74.6079



70.2486, 77.5177, 80.4877

# Sweetspot

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



74.8624, 77.5210, 95.0230



91.6925, 96.0335, 108.3113



78.9846, 86.0212, 95.6089



19.6611, 20.5967, 23.1893



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.



74.8624, 77.5210, 95.0230



82.1398, 84.7357, 106.6341



76.8072, 78.1173, 95.0356



14.9768, 15.3878, 19.9024



8.7355, 3.6953, 45.3807



0.7544, 0.3629, 3.7845



# Inverse Universe

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



77.6812, 78.8175, 83.7959



85.9567, 86.4970, 91.4303



79.7638, 86.6701, 84.4778



15.8130, 15.7749, 16.5715



19.7349, 10.1664, 1.2546

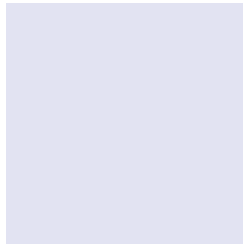


1.6558, 0.8513, 0.1781



# Previews

## White Background



This preview shows how the XYZ color 74.8601, 77.5177, 95.0213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

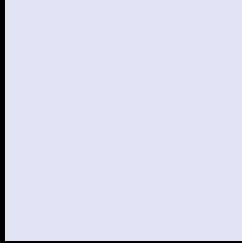
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8601, 77.5177, 95.0213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

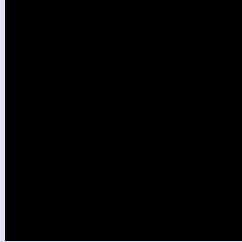
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

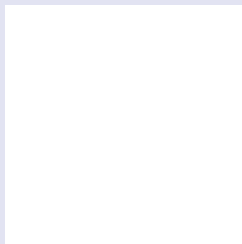
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.8601, 77.5177, 95.0213**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8601, 77.5177, 95.0213.



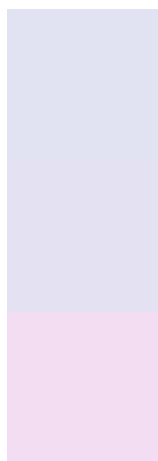
This preview shows how white text looks on a background with the XYZ color 74.8601, 77.5177,

95.0213.

# 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

74.8601, 77.5177, 95.0213

### Protanopia

75.2183, 77.2975, 94.9599

### Deuteranopia

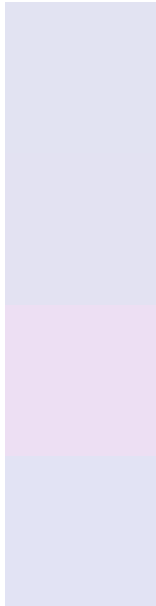
78.9963, 77.2387, 95.5390



## Tritanopia

75.3145, 77.6995, 97.4142

# Trichromacy



## Original Color

74.8601, 77.5177, 95.0213

## Protanomaly

74.9019, 77.1344, 94.9451

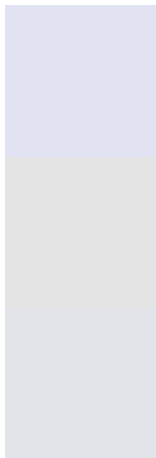
## Deuteranomaly

77.4904, 77.2509, 95.6208

## Tritanomaly

75.1622, 77.6386, 96.6122

# Monochromacy



## Original Color

74.8601, 77.5177, 95.0213

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.1299, 77.7009, 88.1815

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8601, 77.5177, 95.0213 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, 242) looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 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(226, 227, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8601, 77.5177, 95.0213 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, 242) }
```



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

```
.border{ border-color:rgb(226, 227, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 227, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 227, 242); box-shadow:4px 4px 4px 4px rgb(226, 227, 242) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8601, 77.5177, 95.0213 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, 242) }
```

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

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