

# Converting Colors

XYZ(77.4161, 82.7557, 97.8339)

Have a look what the booklet for  
XYZ(77.4161, 82.7557, 97.8339)  
contains.

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# Color

**XYZ(77.3538, 82.9473,  
97.5214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EDF4
RGB	224, 237, 244
RGB Percent	88%, 93%, 96%
CMY	0.1216, 0.0706, 0.0431
CMYK	0.08, 0.03, 0.00, 0.04
HSL	201°, 48%, 92%
HSV	201°, 8%, 96%
XYZ	77.3538, 82.9473, 97.5214
YIQ	233.9110, -9.9950, -0.5790

# Conversions

## Conversions Part 2

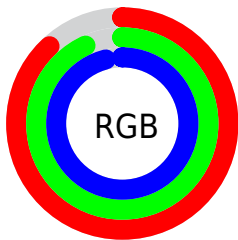
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 232, 244
Decimal	14740980
CIE Lab	92.99, -2.97, -4.87
CIE LCh	93, 5.704, 238.637
Yxy	82.9473, 0.3000, 0.3217
Android (android.graphics.Color)	4292931060 (0xFFE0EDF4)
YUV	233.9110, 4.9739, -8.6919
Hunter-Lab	91.0754, -7.7751, 0.2665

# Details

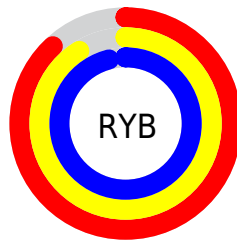
The XYZ color **77.3538, 82.9473, 97.5214** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3391, 81.7663, 82.1233**, and the grayscale version is **78.1104, 82.1782, 89.4921**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9632, 45.1136, 54.0731** is the 20% darker color. If you saturate the color by 10%, you get **67.9153, 74.5018, 96.3900**, and if you desaturate by 10%, it is **87.9999, 92.1945, 98.7465**.

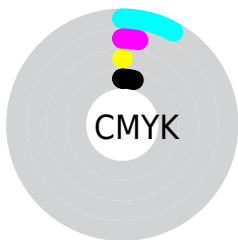
# Distribution



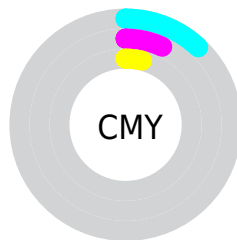
- Red (88%)
- Green (93%)
- Blue (96%)



- Red (88%)
- Yellow (91%)
- Blue (96%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (12%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3538, 82.9473, 97.5214 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 77.3538, 82.9473, 97.5214 by changing the saturation by 10% instead.



■ 77.3538, 82.9473,  
97.5214

■ 77.3538, 82.9473,  
97.5214

474.8429,  
504.8109, 573.3951

■ 57.8442, 62.1467,  
73.6269

128.6090,  
137.5016, 159.7689

■ 41.9262, 45.1512,  
53.9938

161.0853,  
172.0242, 198.9589

■ 29.2344, 31.5766,  
38.2035

198.6146,  
211.8894, 244.0845

■ 19.4034, 21.0383,  
25.8376

241.5622,  
257.4818, 295.5642

■ 12.0678, 13.1520,  
16.4775

290.2935,  
309.1858, 353.8166

■ 6.8624, 7.5333,  
9.7047

345.1738,

■ 3.4218, 3.7978,

367.3857, 419.2602

5.1006

406.5685,  
432.4659, 492.3135

■ 1.3805, 1.5611,  
2.2466

■ 0.2423, 0.3312,  
0.7011

■ 77.3538, 82.9473,  
97.5214

■ 77.3538, 82.9473,  
97.5214

■ 67.9153, 74.5018,  
96.3900

■ 87.9999, 92.1945,  
98.7465

■ 59.6297, 66.8207,  
95.3441

■ 93.0356, 98.7242,  
99.7414

■ 52.4483, 59.8786,  
94.3826

■ 93.3294, 99.3118,  
99.8393

■ 46.3163, 53.6447,  
93.5026

■ 41.1735, 48.0856,  
92.7006

■ 36.9535, 43.1643,  
91.9731

■ 33.5807, 38.8391,  
91.3160

■ 30.9662, 35.0615,  
90.7247

■ 28.9870, 31.7653,  
90.1928

# Harmonies

## Analogous

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



76.3454, 82.9473, 94.3145



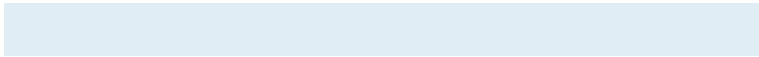
77.3538, 82.9473, 97.5214



78.7706, 82.9473, 98.7891

# Triad

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



77.3538, 82.9473, 97.5214



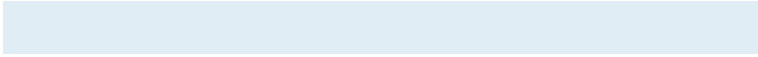
81.7447, 82.9473, 90.5113



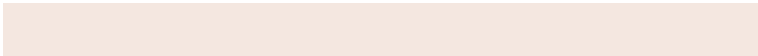
77.4707, 82.9473, 83.2881

# Complementary

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



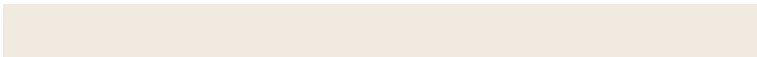
77.3538, 82.9473, 97.5214



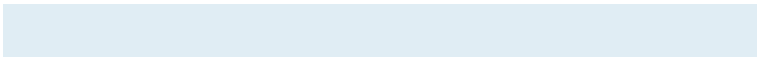
79.3391, 81.7663, 82.1233

# Split Complementary

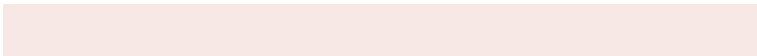
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9073, 82.9473, 82.3408



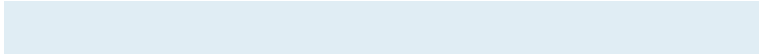
77.3538, 82.9473, 97.5214



81.3862, 82.9473, 86.4312

# Square

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



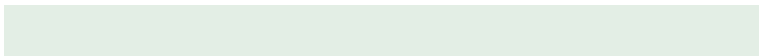
77.3538, 82.9473, 97.5214



81.3164, 82.9473, 94.6637



80.3429, 82.9473, 83.4736



76.4123, 82.9473, 86.1025



# Rectangle

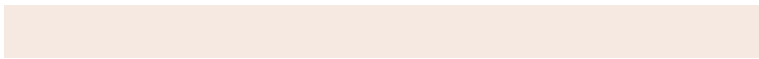
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3538, 82.9473, 97.5214



79.7601, 82.9473, 98.3345



80.3429, 82.9473, 83.4736



77.9248, 82.9473, 82.7448

# Sweetspot

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



77.3562, 82.9508, 97.5232



92.6320, 97.9125, 108.6245



77.4693, 86.3008, 87.9308



19.8524, 20.9793, 23.2530



0.0000, 0.0000, 0.0000

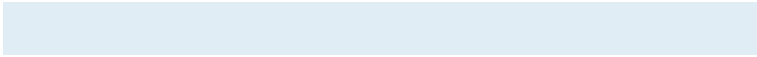


20.3446, 21.4041, 23.3091

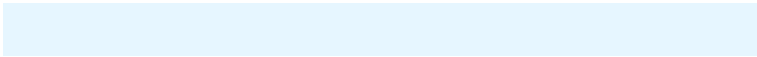


# Same Dimension

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



77.3562, 82.9508, 97.5232



83.5028, 89.9203, 107.5630



74.6314, 77.5012, 96.6150



16.4804, 17.7251, 21.0952



15.7199, 17.2336, 49.0359



1.4777, 1.7069, 4.3418



# Inverse Universe

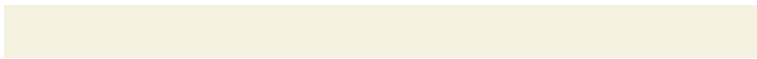
The Inverse Universe completely reimagines the original color for something new.



79.2518, 78.6605, 91.1308



86.0446, 84.2344, 98.9766



82.1208, 87.3297, 83.0506



16.9531, 16.6641, 19.4993



23.7392, 11.8391, 19.1328

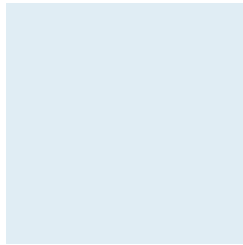


2.1350, 1.0599, 1.9370



# Previews

## White Background



This preview shows how the XYZ color 77.3538, 82.9473, 97.5214 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

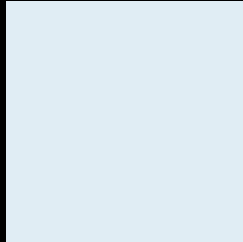
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3538, 82.9473, 97.5214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

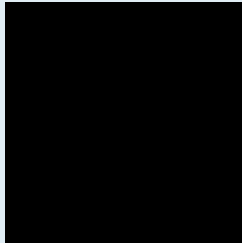
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

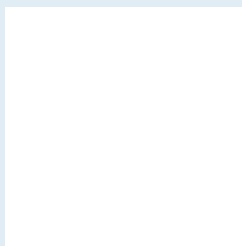
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.3538, 82.9473, 97.5214**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3538, 82.9473, 97.5214.



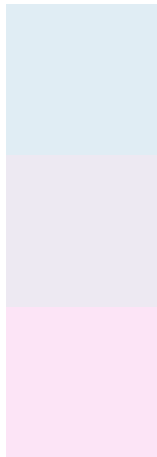
This preview shows how white text looks on a background with the XYZ color 77.3538, 82.9473,

97.5214.

# 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

77.3538, 82.9473, 97.5214

### Protanopia

80.0910, 82.6932, 95.7445

### Deuteranopia

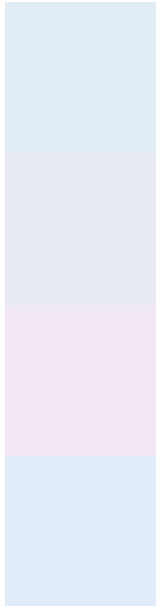
84.5228, 82.8361, 98.7229



## Tritanopia

78.9618, 82.7412, 105.5748

# Trichromacy



## Original Color

77.3538, 82.9473, 97.5214

## Protanomaly

78.8792, 82.4725, 96.5554

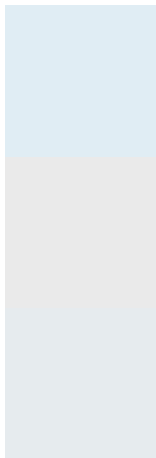
## Deuteranomaly

81.6753, 82.6216, 98.0290

## Tritanomaly

78.3021, 82.9006, 102.3169

# Monochromacy



## Original Color

77.3538, 82.9473, 97.5214

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.7741, 82.4127, 92.6970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3538, 82.9473, 97.5214 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(224, 237, 244) looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 244)  
}
```

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(224, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3538, 82.9473, 97.5214 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(224, 237, 244) }
```



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

```
.border{ border-color:rgb(224, 237, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(224, 237,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3538, 82.9473, 97.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 244) }
```

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

```
.background{ background-color: rgb(224,  
237, 244) }
```

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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