

# Converting Colors

XYZ(73.3881, 77.3783, 90.4297)

Have a look what the booklet for  
XYZ(73.3881, 77.3783, 90.4297)  
contains.

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# Color

**XYZ(73.3151, 77.2309,  
90.3998)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFE4EC
RGB	223, 228, 236
RGB Percent	87%, 89%, 93%
CMY	0.1255, 0.1059, 0.0745
CMYK	0.06, 0.03, 0.00, 0.07
HSL	217°, 25%, 90%
HSV	217°, 6%, 93%
XYZ	73.3151, 77.2309, 90.3998
YIQ	227.4170, -5.5480, 1.4280

# Conversions

## Conversions Part 2

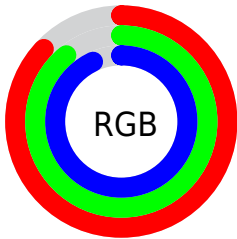
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 227, 236
Decimal	14673132
CIE Lab	90.43, -0.19, -4.48
CIE LCh	90, 4.482, 267.587
Yxy	77.2309, 0.3043, 0.3205
Android (android.graphics.Color)	4292863212 (0xFFDFE4EC)
YUV	227.4170, 4.2314, -3.8737
Hunter-Lab	87.8811, -4.8778, 0.5275

# Details

The XYZ color **73.3151, 77.2309, 90.3998** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.4874, 80.3115, 81.2835**, and the grayscale version is **73.2921, 77.1090, 83.9717**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3302, 41.5073, 49.1188** is the 20% darker color. If you saturate the color by 10%, you get **62.7178, 66.0882, 88.8088**, and if you desaturate by 10%, it is **85.2656, 89.5733, 92.1534**.

# Distribution



Red (87%)

Green (89%)

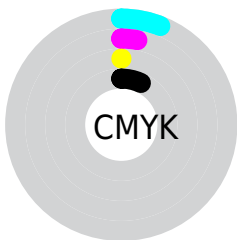
Blue (93%)



Red (87%)

Yellow (89%)

Blue (93%)

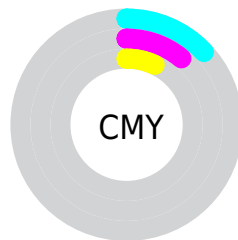


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (11%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3151, 77.2309, 90.3998 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 73.3151, 77.2309, 90.3998 by changing the saturation by 10% instead.



■ 73.3151, 77.2309,  
90.3998

■ 73.3151, 77.2309,  
90.3998

461.1931,  
485.5509, 549.9342

■ 54.5229, 57.4424,  
67.7367

122.9252,  
129.4654, 149.8340

■ 39.2522, 41.3605,  
49.2182

154.4738,  
162.6801, 187.4421

■ 27.1376, 28.6009,  
34.4258

191.0053,  
201.1391, 230.8691

■ 17.8137, 18.7791,  
22.9409

232.8850,  
245.2267, 280.5333

■ 10.9152, 11.5108,  
14.3450

280.4782,  
295.3273, 336.8534

■ 6.0767, 6.4115,  
8.2195

334.1504,

■ 2.9329, 3.0969,

351.8252, 400.2479

4.1459

394.2669,  
415.1050, 471.1353

■ 1.1184, 1.1825,  
1.7057

■ 0.0404, 0.0474,  
0.3647

■ 73.3151, 77.2309,  
90.3998

■ 73.3151, 77.2309,  
90.3998

■ 62.7178, 66.0882,  
88.8088

■ 85.2656, 89.5733,  
92.1534

■ 53.4173, 56.0974,  
87.3705

■ 92.1405, 98.8362,  
93.5790

■ 45.3625, 47.2219,  
86.0819

■ 38.4968, 39.4191,  
84.9377

■ 32.7583, 32.6434,  
83.9323

■ 28.0795, 26.8457,  
83.0598

■ 24.3848, 21.9716,  
82.3138

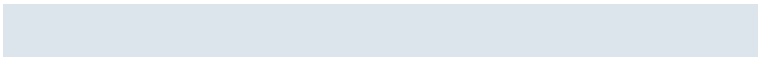
■ 21.5872, 17.9603,  
81.6870

■ 19.5812, 14.7404,  
81.1712

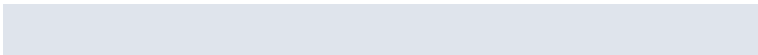
# Harmonies

## Analogous

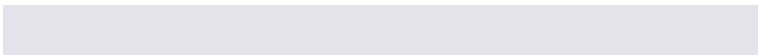
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2583, 77.2309, 89.4017



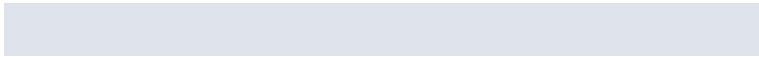
73.3151, 77.2309, 90.3998



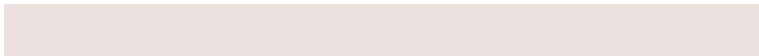
74.4066, 77.2309, 89.6723

# Triad

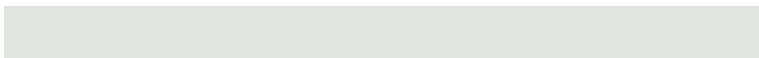
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3151, 77.2309, 90.3998



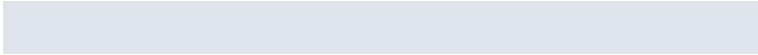
75.3293, 77.2309, 81.2697



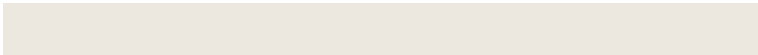
71.6041, 77.2309, 80.8312

# Complementary

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



73.3151, 77.2309, 90.3998



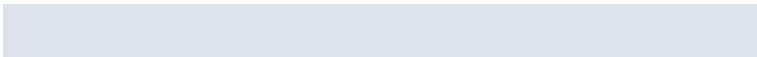
76.4874, 80.3115, 81.2835

# Split Complementary

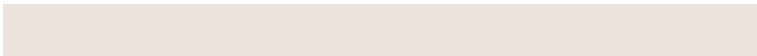
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4137, 77.2309, 78.7469



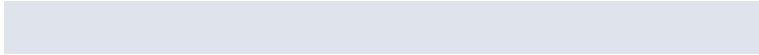
73.3151, 77.2309, 90.3998



74.5651, 77.2309, 78.9955

# Square

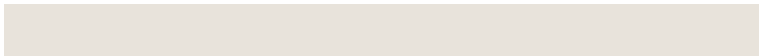
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



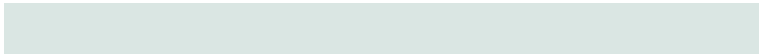
73.3151, 77.2309, 90.3998



75.5766, 77.2309, 84.3510



73.4963, 77.2309, 78.0834

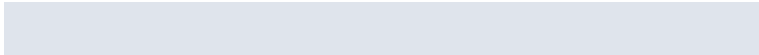


71.2767, 77.2309, 83.8321



# Rectangle

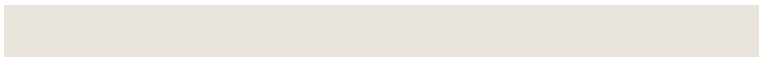
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3151, 77.2309, 90.3998



75.0058, 77.2309, 88.3166



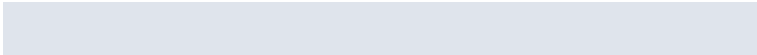
73.4963, 77.2309, 78.0834



71.8284, 77.2309, 80.0030

# Sweetspot

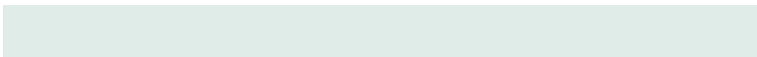
The Sweet Spot groups the original color and five complimentary colors.



73.3173, 77.2342, 90.4015



92.2059, 97.0603, 108.4825



74.8236, 81.4383, 87.2300



19.7657, 20.8058, 23.2241



0.0000, 0.0000, 0.0000

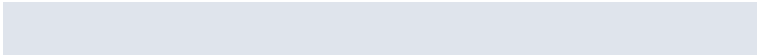


20.3446, 21.4041, 23.3091

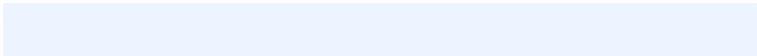


# Same Dimension

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



73.3173, 77.2342, 90.4015



85.3820, 89.9641, 107.4724



72.3627, 74.7279, 89.9681



15.1449, 15.9587, 19.2044



10.5162, 7.6795, 44.6710



0.9164, 0.7843, 3.5380



# Inverse Universe

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



74.9850, 76.2111, 84.1607



87.8999, 88.4482, 98.0437



77.4779, 82.9310, 81.7369



15.6286, 15.6695, 17.3926



20.1634, 10.2681, 6.6619

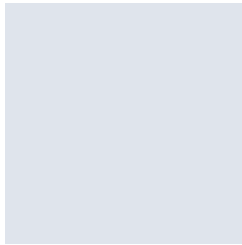


1.6291, 0.8246, 0.7640



# Previews

## White Background



This preview shows how the XYZ color 73.3151, 77.2309, 90.3998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

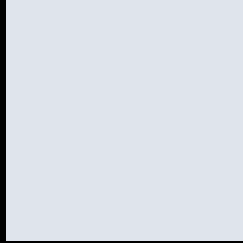
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3151, 77.2309, 90.3998 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

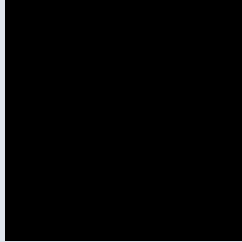
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

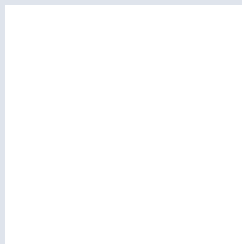
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3151, 77.2309, 90.3998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3151, 77.2309, 90.3998.



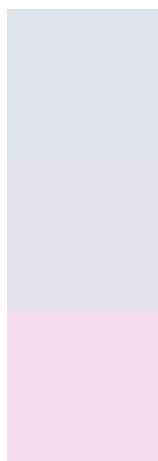
This preview shows how white text looks on a background with the XYZ color 73.3151, 77.2309,

90.3998.

# 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

73.3151, 77.2309, 90.3998

### Protanopia

74.5049, 77.0489, 89.5424

### Deuteranopia

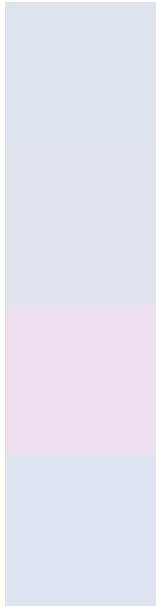
78.7987, 77.2398, 90.8764



## Tritanopia

74.6910, 77.3780, 97.3850

# Trichromacy



## Original Color

73.3151, 77.2309, 90.3998

## Protanomaly

74.1430, 77.2672, 89.6036

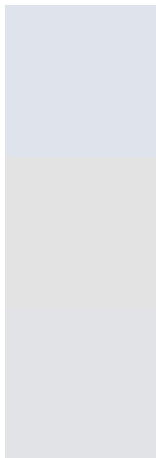
## Deuteranomaly

76.8668, 77.4303, 91.0150

## Tritanomaly

74.2366, 77.1963, 94.9921

# Monochromacy



## Original Color

73.3151, 77.2309, 90.3998

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.1160, 76.8201, 85.8370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3151, 77.2309, 90.3998 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(223, 228, 236) looks like.

```
.text, #text, p{  
    color:rgb(223, 228, 236)  
}
```

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(223, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 228, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3151, 77.2309, 90.3998 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(223, 228, 236) }
```



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

```
.border{ border-color:rgb(223, 228, 236) }
```

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

Here you see how a box with a 4 pixel rgb(223, 228, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(223, 228,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3151, 77.2309, 90.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 228, 236) }
```

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

```
.background{ background-color: rgb(223,  
228, 236) }
```

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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