

# Converting Colors

XYZ(72.3642, 77.5000, 83.9665)

Have a look what the booklet for  
XYZ(72.3642, 77.5000, 83.9665)  
contains.

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# Color

**XYZ(72.5934, 77.8277,  
83.8692)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFE6E3
RGB	223, 230, 227
RGB Percent	87%, 90%, 89%
CMY	0.1255, 0.0980, 0.1098
CMYK	0.03, 0.00, 0.01, 0.10
HSL	154°, 12%, 89%
HSV	154°, 3%, 90%
XYZ	72.5934, 77.8277, 83.8692
YIQ	227.5650, -3.2090, -2.4170

# Conversions

## Conversions Part 2

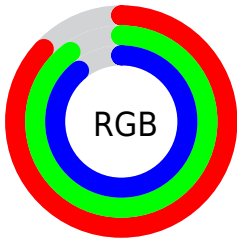
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 227, 230
Decimal	14673635
CIE Lab	90.70, -2.88, 0.63
CIE LCh	91, 2.946, 167.588
Yxy	77.8277, 0.3098, 0.3322
Android (android.graphics.Color)	4292863715 (0xFFDFE6E3)
YUV	227.5650, -0.2785, -4.0035
Hunter-Lab	88.2200, -7.5031, 5.3881

# Details

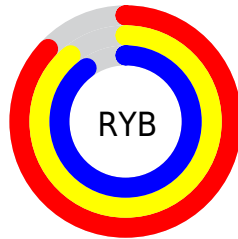
The XYZ color **72.5934, 77.8277, 83.8692** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7512, 75.0914, 82.6151**, and the grayscale version is **73.4307, 77.2548, 84.1305**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9248, 41.9633, 45.0779** is the 20% darker color. If you saturate the color by 10%, you get **64.6603, 73.8931, 76.5940**, and if you desaturate by 10%, it is **81.5716, 82.2965, 91.6038**.

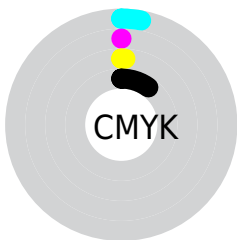
# Distribution



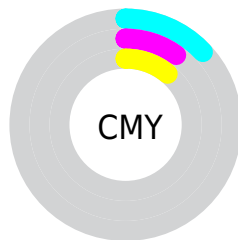
- Red (87%)
- Green (90%)
- Blue (89%)



- Red (87%)
- Yellow (89%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5934, 77.8277, 83.8692 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 72.5934, 77.8277, 83.8692 by changing the saturation by 10% instead.



■ 72.5934, 77.8277,  
83.8692

■ 72.5934, 77.8277,  
83.8692

458.7300,  
487.5815, 527.9255

■ 53.9308, 57.9325,  
62.3627

121.9061,  
130.3072, 140.6523

■ 38.7768, 41.7543,  
44.8881

153.2868,  
163.6603, 176.7659

■ 26.7660, 28.9090,  
31.0270

189.6376,  
202.2680, 218.5857

■ 17.5333, 19.0120,  
20.3608

231.3238,  
246.5149, 266.5302

■ 10.7131, 11.6789,  
12.4709

278.7108,  
296.7853, 321.0178

■ 5.9401, 6.5255,  
6.9388

332.1639,

■ 2.8490, 3.1671,

353.4636, 382.4672

3.3460

392.0486,  
416.9342, 451.2969

■ 1.0744, 1.2196,  
1.2739

■ 0.0036, 0.0776,  
0.0403

■ 72.5934, 77.8277,  
83.8692

■ 72.5934, 77.8277,  
83.8692

■ 64.6603, 73.8931,  
76.5940

■ 81.5716, 82.2965,  
91.6038

■ 57.7257, 70.4622,  
69.7644

■ 86.2853, 84.5554,  
99.5511

■ 51.7496, 67.5166,  
63.3732

■ 87.5883, 85.0767,  
106.4128

■ 46.6862, 65.0331,  
57.4113

■ 42.4862, 62.9862,  
51.8689

■ 39.0951, 61.3481,  
46.7359

■ 36.4520, 60.0876,  
42.0019

■ 34.4870, 59.1688,  
37.6553

■ 33.1154, 58.5482,  
33.6841

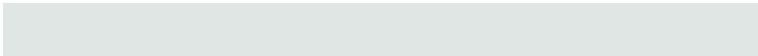
# Harmonies

## Analogous

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



72.9284, 77.8277, 82.0252



72.5934, 77.8277, 83.8692



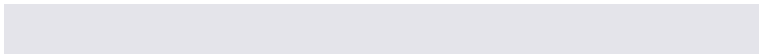
72.6262, 77.8277, 85.9772

# Triad

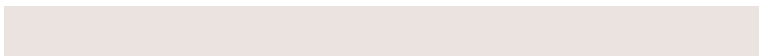
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.5934, 77.8277, 83.8692



74.4032, 77.8277, 88.6811



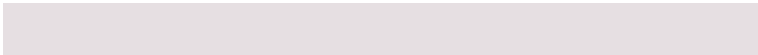
74.9357, 77.8277, 81.7710

# Complementary

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



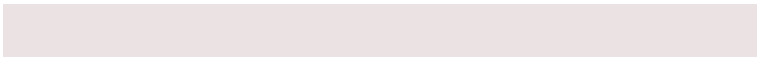
72.5934, 77.8277, 83.8692



72.7512, 75.0914, 82.6151

# Split Complementary

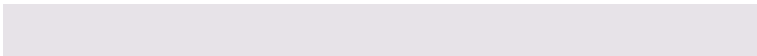
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3361, 77.8277, 83.5170



72.5934, 77.8277, 83.8692



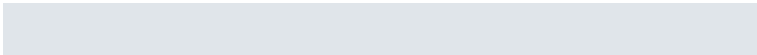
75.0273, 77.8277, 87.5164

# Square

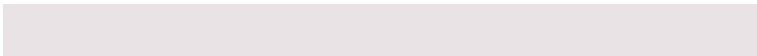
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



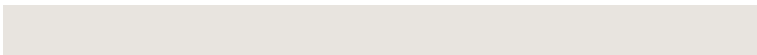
72.5934, 77.8277, 83.8692



73.6678, 77.8277, 88.7792



75.3698, 77.8277, 85.6191



74.2788, 77.8277, 80.8274



# Rectangle

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



72.5934, 77.8277, 83.8692



72.8523, 77.8277, 87.2485



75.3698, 77.8277, 85.6191



75.1049, 77.8277, 82.2822

# Sweetspot

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



72.5956, 77.8310, 83.8709



93.9424, 99.4493, 107.9317



72.9933, 78.0991, 81.0407



20.1192, 21.2921, 23.1121



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

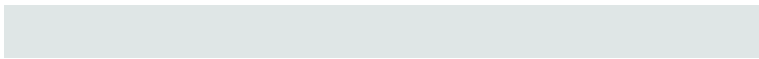
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5956, 77.8310, 83.8709



90.7000, 97.8380, 105.0617



72.8842, 77.7388, 86.0306



15.3512, 16.6328, 17.8152



18.4156, 32.9983, 17.9546



1.4072, 2.4570, 1.5707



# Inverse Universe

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



72.7512, 75.0914, 82.6151



90.9581, 93.2943, 102.9790



72.4674, 75.1778, 80.5045



15.4027, 15.7260, 17.3995



19.7990, 10.0538, 7.8363

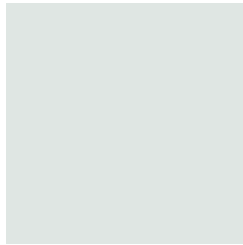


1.5088, 0.7612, 0.8201



# Previews

## White Background



This preview shows how the XYZ color 72.5934, 77.8277, 83.8692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

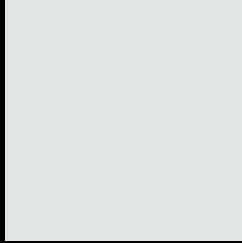
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.5934, 77.8277, 83.8692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

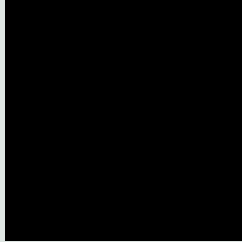
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

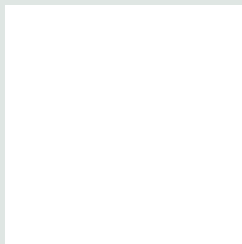
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.5934, 77.8277, 83.8692**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.5934, 77.8277, 83.8692.



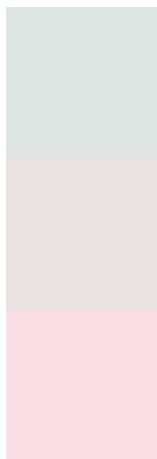
This preview shows how white text looks on a background with the XYZ color 72.5934, 77.8277,



# 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

72.5934, 77.8277, 83.8692

### Protanopia

74.6640, 77.6981, 82.2962

### Deuteranopia

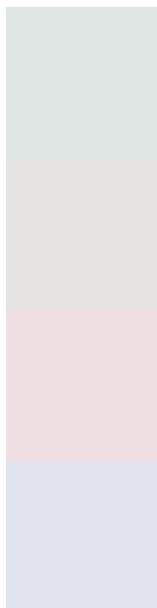
79.4236, 77.6940, 84.9391



## Tritanopia

75.3145, 77.6995, 97.4142

# Trichromacy



## Original Color

72.5934, 77.8277, 83.8692

## Protanomaly

73.7840, 77.6358, 83.0479

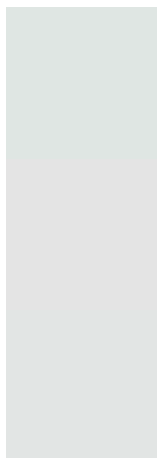
## Deuteranomaly

76.5944, 77.4380, 84.3089

## Tritanomaly

74.2274, 77.6674, 91.9680

# Monochromacy



## Original Color

72.5934, 77.8277, 83.8692

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.3869, 77.8088, 84.5495

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.5934, 77.8277, 83.8692 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, 230, 227) looks like.

```
.text, #text, p{  
    color:rgb(223, 230, 227)  
}
```

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, 230, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 230, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 72.5934, 77.8277, 83.8692 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, 230, 227) }
```



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

```
.border{ border-color:rgb(223, 230, 227) }
```

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

Here you see how a box with a 4 pixel rgb(223, 230, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 230, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 230, 227);  
box-shadow:4px 4px 4px 4px rgb(223, 230,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.5934, 77.8277, 83.8692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 230, 227) }
```

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

```
.background{ background-color: rgb(223,  
230, 227) }
```

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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