

# Converting Colors

XYZ(73.2231, 78.8694, 89.2059)

Have a look what the booklet for  
XYZ(73.2231, 78.8694, 89.2059)  
contains.

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# Color

**XYZ(73.2231, 78.8694,  
89.2059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCE8EA
RGB	220, 232, 234
RGB Percent	86%, 91%, 92%
CMY	0.1372, 0.0902, 0.0823
CMYK	0.06, 0.01, 0.00, 0.08
HSL	189°, 25%, 89%
HSV	189°, 6%, 92%
XYZ	73.2231, 78.8694, 89.2059
YIQ	228.6400, -7.7940, -1.9220

# Conversions

## Conversions Part 2

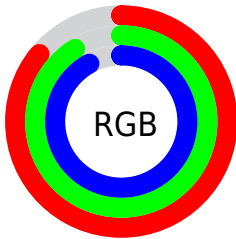
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 226, 234
Decimal	14477546
CIE Lab	91.18, -3.60, -2.36
CIE LCh	91, 4.306, 213.217
Yxy	78.8694, 0.3035, 0.3269
Android (android.graphics.Color)	4292667626 (0xFFDCE8EA)
YUV	228.6400, 2.6425, -7.5773
Hunter-Lab	88.8084, -8.2405, 2.6106

# Details

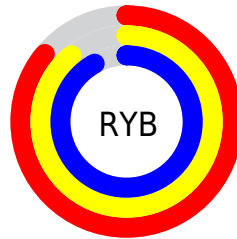
The XYZ color **73.2231, 78.8694, 89.2059** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.9715, 74.9016, 78.3228**, and the grayscale version is **74.1989, 78.0630, 85.0106**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0783, 42.2644, 48.2177** is the 20% darker color. If you saturate the color by 10%, you get **65.7010, 73.6126, 88.5889**, and if you desaturate by 10%, it is **81.7589, 84.6796, 89.8787**.

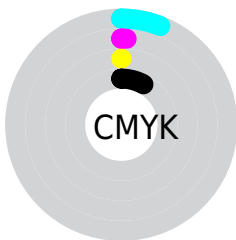
# Distribution



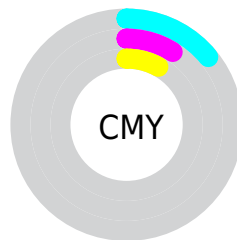
- Red (86%)
- Green (91%)
- Blue (92%)



- Red (86%)
- Yellow (89%)
- Blue (92%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (14%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2231, 78.8694, 89.2059 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 73.2231, 78.8694, 89.2059 by changing the saturation by 10% instead.



■ 73.2231, 78.8694,  
89.2059

■ 73.2231, 78.8694,  
89.2059

460.8795,  
491.1144, 545.9476

■ 54.4474, 58.7884,  
66.7522

122.7953,  
131.7750, 148.1607

■ 39.1916, 42.4428,  
48.4230

154.3226,  
165.3684, 185.4989

■ 27.0902, 29.4482,  
33.7996

190.8310,  
204.2348, 228.6358

■ 17.7779, 19.4201,  
22.4636

232.6861,  
248.7584, 277.9897

■ 10.8894, 11.9743,  
13.9963

280.2532,  
299.3239, 333.9793

■ 6.0592, 6.7261,  
7.9794

333.8975,

■ 2.9221, 3.2914,

356.3154, 397.0231

3.9942

393.9845,  
420.1174, 467.5397

■ 1.1127, 1.2857,  
1.6222

■ 0.0357, 0.1301,  
0.3066

■ 73.2231, 78.8694,  
89.2059

■ 73.2231, 78.8694,  
89.2059

■ 65.7010, 73.6126,  
88.5889

■ 81.7589, 84.6796,  
89.8787

■ 59.1447, 68.8779,  
88.0206

■ 86.8640, 88.7456,  
90.3945

■ 53.5127, 64.6459,  
87.5006

■ 87.8482, 90.7140,  
90.7225

■ 48.7575, 60.8919,  
87.0266

■ 88.8505, 92.7186,  
91.0566

■ 44.8277, 57.5893,  
86.5962

■ 89.8710, 94.7596,  
91.3968

■ 41.6660, 54.7084,  
86.2068

■ 90.9098, 96.8373,  
91.7431

■ 39.2080, 52.2159,  
85.8553

■ 91.8515, 98.7206,  
92.0570

■ 37.3784, 50.0728,  
85.5380

■ 36.0839, 48.2308,  
85.2507

# Harmonies

## Analogous

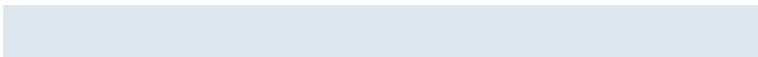
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8897, 78.8694, 86.2126



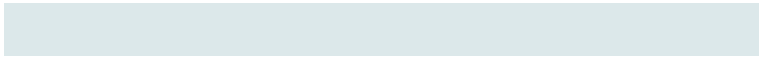
73.2231, 78.8694, 89.2059



74.0225, 78.8694, 91.3464

# Triad

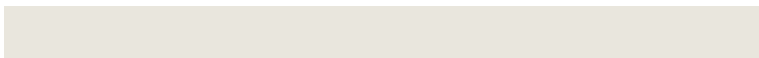
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.2231, 78.8694, 89.2059



76.8498, 78.8694, 88.6089



74.8455, 78.8694, 80.0204

# Complementary

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



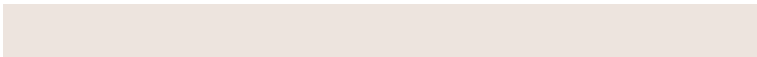
73.2231, 78.8694, 89.2059



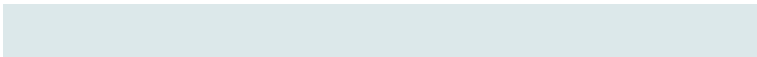
72.9715, 74.9016, 78.3228

# 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.



75.9115, 78.8694, 80.6272



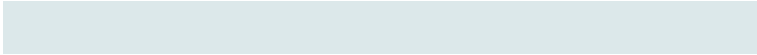
73.2231, 78.8694, 89.2059



77.0752, 78.8694, 85.5390

# Square

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



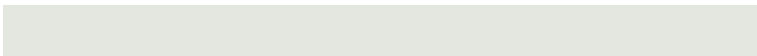
73.2231, 78.8694, 89.2059



76.1171, 78.8694, 90.9959



76.7302, 78.8694, 82.6288



73.8206, 78.8694, 80.9506

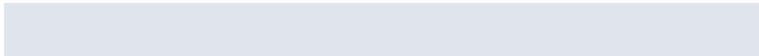


# Rectangle

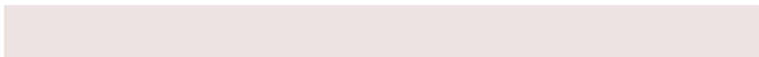
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



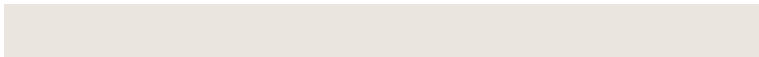
73.2231, 78.8694, 89.2059



74.7157, 78.8694, 91.9752



76.7302, 78.8694, 82.6288



75.2108, 78.8694, 80.0514

# Sweetspot

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



73.2254, 78.8727, 89.2076



92.9670, 98.5824, 108.7362



72.1062, 79.3293, 80.5265



19.9206, 21.1156, 23.2757



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

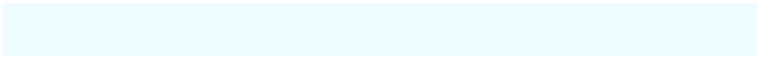


# Same Dimension

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



73.2254, 78.8727, 89.2076



87.9785, 95.1571, 108.3379



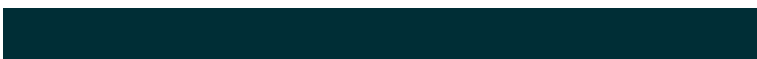
71.3290, 75.0800, 88.5755



15.6437, 16.9563, 19.3706



20.1059, 26.8589, 47.8676



1.6290, 2.2094, 3.7755



# Inverse Universe

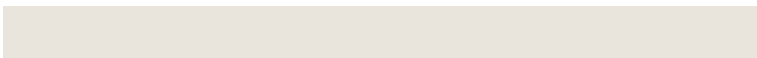
The Inverse Universe completely reimagines the original color for something new.



74.0921, 74.5065, 86.8240



89.2105, 88.9724, 104.9452



74.8336, 78.6259, 78.9436



15.8804, 15.7702, 18.7184



25.0038, 12.2042, 32.1512

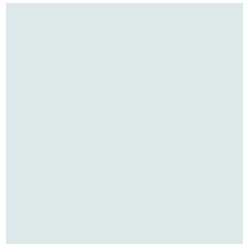


1.9887, 0.9685, 2.6580



# Previews

## White Background



This preview shows how the XYZ color 73.2231, 78.8694, 89.2059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

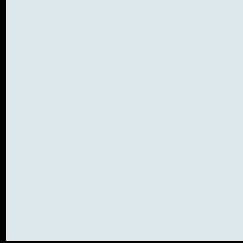
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2231, 78.8694, 89.2059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

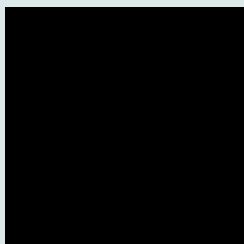
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

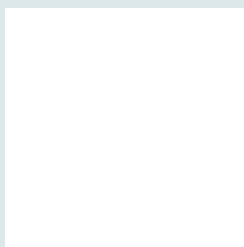
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.2231, 78.8694, 89.2059**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.2231, 78.8694, 89.2059.



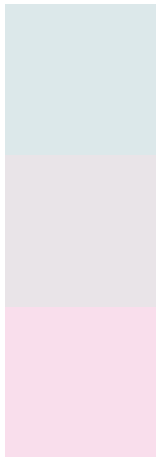
This preview shows how white text looks on a background with the XYZ color 73.2231, 78.8694,



# 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

73.2231, 78.8694, 89.2059

### Protanopia

75.9132, 78.6366, 87.5213

### Deuteranopia

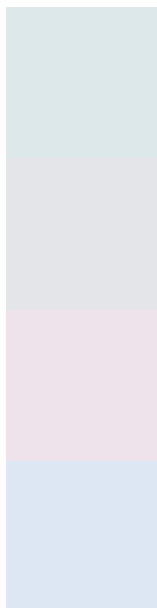
80.3285, 78.4384, 90.2632



## Tritanopia

75.3643, 78.9005, 100.0641

# Trichromacy



## Original Color

73.2231, 78.8694, 89.2059

## Protanomaly

74.7222, 78.4158, 88.2883

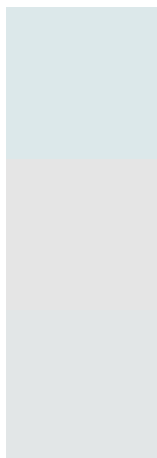
## Deuteranomaly

77.4516, 78.5680, 89.6803

## Tritanomaly

74.5724, 78.9950, 96.1112

# Monochromacy



## Original Color

73.2231, 78.8694, 89.2059

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.0846, 78.5319, 86.8548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2231, 78.8694, 89.2059 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(220, 232, 234)` looks like.

```
.text, #text, p{  
    color:rgb(220, 232, 234)  
}
```

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(220, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 232, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2231, 78.8694, 89.2059 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(220, 232, 234) }
```



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

```
.border{ border-color:rgb(220, 232, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 232, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(220, 232,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2231, 78.8694, 89.2059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 232, 234) }
```

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

```
.background{ background-color: rgb(220,  
232, 234) }
```

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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