

# Converting Colors

XYZ(74.1332, 79.3202, 90.7611)

Have a look what the booklet for  
XYZ(74.1332, 79.3202, 90.7611)  
contains.

<b>XYZ(74.1211, 79.2989, 90.7565)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.1211, 79.2989,  
90.7565)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEE8EC
RGB	222, 232, 236
RGB Percent	87%, 91%, 93%
CMY	0.1294, 0.0902, 0.0745
CMYK	0.06, 0.02, 0.00, 0.07
HSL	197°, 27%, 90%
HSV	197°, 6%, 93%
XYZ	74.1211, 79.2989, 90.7565
YIQ	229.4660, -7.2440, -0.8760

# Conversions

## Conversions Part 2

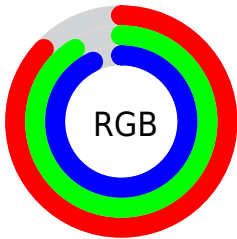
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 228, 236
Decimal	14608620
CIE Lab	91.37, -2.57, -3.10
CIE LCh	91, 4.030, 230.325
Yxy	79.2989, 0.3036, 0.3248
Android (android.graphics.Color)	4292798700 (0xFFDEE8EC)
YUV	229.4660, 3.2213, -6.5477
Hunter-Lab	89.0499, -7.2621, 1.9087

# Details

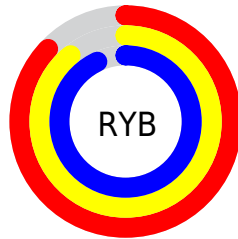
The XYZ color **74.1211, 79.2989, 90.7565** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9735, 77.4989, 80.1157**, and the grayscale version is **74.8021, 78.6976, 85.7017**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6999, 42.5614, 49.3028** is the 20% darker color. If you saturate the color by 10%, you get **65.5331, 72.1123, 89.8232**, and if you desaturate by 10%, it is **83.7981, 87.1592, 91.7649**.

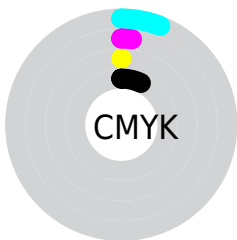
# Distribution



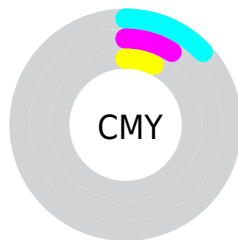
- Red (87%)
- Green (91%)
- Blue (93%)



- Red (87%)
- Yellow (89%)
- Blue (93%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (9%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1211, 79.2989, 90.7565 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 74.1211, 79.2989, 90.7565 by changing the saturation by 10% instead.



■ 74.1211, 79.2989,  
90.7565

■ 74.1211, 79.2989,  
90.7565

463.9351,  
492.5669, 551.1221

■ 55.1848, 59.1416,  
68.0310

124.0620,  
132.3796, 150.3334

■ 39.7841, 42.7271,  
49.4561

155.7974,  
166.0717, 188.0220

■ 27.5537, 29.6711,  
34.6133

192.5298,  
205.0443, 231.5353

■ 18.1283, 19.5890,  
23.0840

234.6246,  
249.6816, 281.2919

■ 11.1424, 12.0967,  
14.4496

282.4472,  
300.3682, 337.7103

■ 6.2307, 6.8096,  
8.2917

336.3629,

■ 3.0278, 3.3433,

357.4883, 401.2092

4.1918

396.7371,  
421.4264, 472.2069

■ 1.1685, 1.3135,  
1.7311

■ 0.0813, 0.1516,  
0.3819

■ 74.1211, 79.2989,  
90.7565

■ 74.1211, 79.2989,  
90.7565

■ 65.5331, 72.1123,  
89.8232

■ 83.7981, 87.1592,  
91.7649

■ 57.9847, 65.5661,  
88.9575

■ 89.1781, 92.9112,  
92.5916

■ 51.4326, 59.6391,  
88.1588

■ 91.2588, 97.0727,  
93.2851

■ 45.8279, 54.3048,  
87.4246

■ 92.1406, 98.8362,  
93.5791

■ 41.1171, 49.5344,  
86.7521

■ 37.2412, 45.2960,  
86.1383

■ 34.1336, 41.5542,  
85.5798

■ 31.7165, 38.2676,  
85.0728

■ 29.8943, 35.3853,  
84.6125

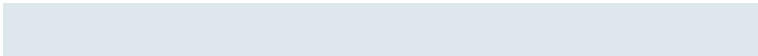
# Harmonies

## Analogous

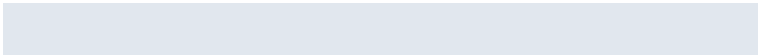
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5398, 79.2989, 88.3166



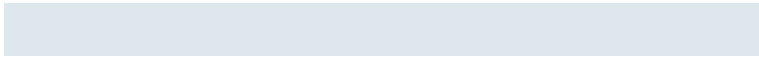
74.1211, 79.2989, 90.7565



75.0408, 79.2989, 92.0221

# Triad

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



74.1211, 79.2989, 90.7565



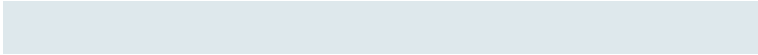
77.3290, 79.2989, 87.2942



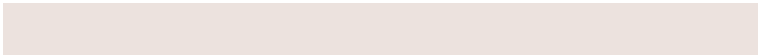
74.6894, 79.2989, 81.1622

# Complementary

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



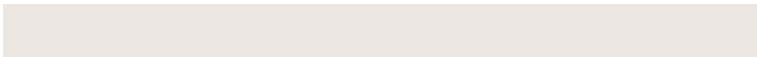
74.1211, 79.2989, 90.7565



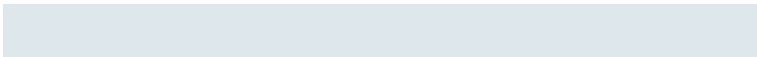
74.9735, 77.4989, 80.1157

# 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.



75.7026, 79.2989, 80.9025



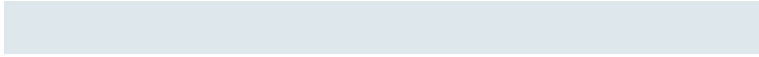
74.1211, 79.2989, 90.7565



77.2328, 79.2989, 84.3991

# Square

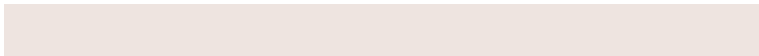
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



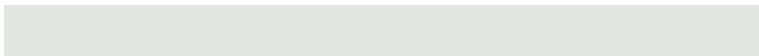
74.1211, 79.2989, 90.7565



76.8969, 79.2989, 89.9935



76.6353, 79.2989, 82.0750



73.8658, 79.2989, 82.7926



# Rectangle

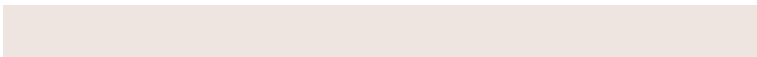
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



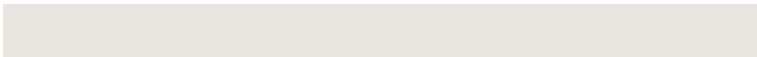
74.1211, 79.2989, 90.7565



75.7247, 79.2989, 92.0106



76.6353, 79.2989, 82.0750



75.0189, 79.2989, 80.9131

# Sweetspot

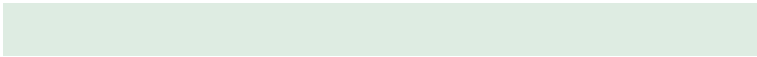
The Sweet Spot groups the original color and five complimentary colors.



74.1234, 79.3023, 90.7582



92.7358, 98.1202, 108.6591



73.8438, 81.0110, 83.6735



19.8736, 21.0215, 23.2601



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

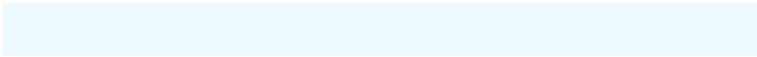


# Same Dimension

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



74.1234, 79.3023, 90.7582



87.1811, 93.5623, 108.0721



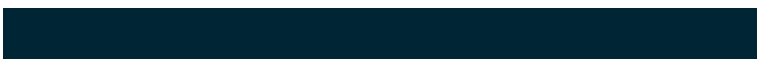
72.2000, 75.4555, 90.1171



15.4903, 16.6496, 19.3195



16.2444, 19.1358, 46.5804



1.3569, 1.6653, 3.6848



# Inverse Universe

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



75.2806, 75.9031, 87.0309



88.8080, 88.8114, 102.8257



76.9076, 81.3670, 80.7604



15.8030, 15.7392, 18.3107



23.0547, 11.4246, 21.8873

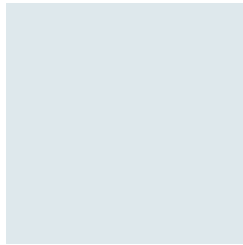


1.8514, 0.9135, 1.9349



# Previews

## White Background



This preview shows how the XYZ color 74.1211, 79.2989, 90.7565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

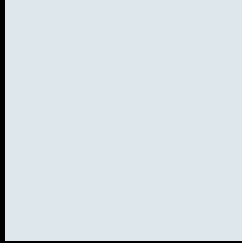
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.1211, 79.2989, 90.7565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

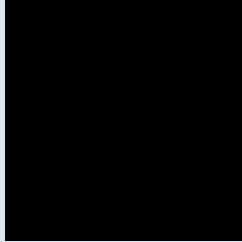
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

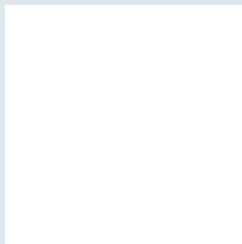
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.1211, 79.2989, 90.7565

## Background



This preview shows how black text looks on a background with the XYZ color 74.1211, 79.2989, 90.7565.



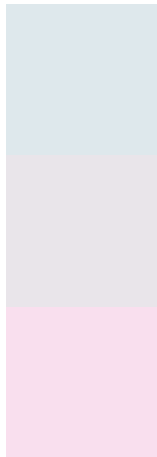
This preview shows how white text looks on a background with the XYZ color 74.1211, 79.2989,

90.7565.

# 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

74.1211, 79.2989, 90.7565

### Protanopia

76.4749, 79.3028, 89.1182

### Deuteranopia

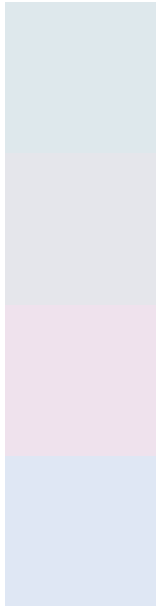
80.8872, 79.0881, 91.8912



## Tritanopia

75.9806, 79.2182, 100.0930

# Trichromacy



## Original Color

74.1211, 79.2989, 90.7565

## Protanomaly

75.6053, 79.2498, 89.9092

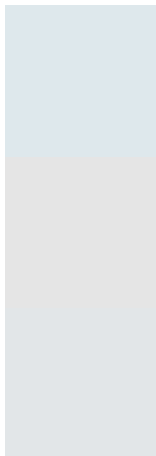
## Deuteranomaly

78.0790, 78.8579, 91.2266

## Tritanomaly

75.3365, 79.3715, 96.9375

# Monochromacy



## Original Color

74.1211, 79.2989, 90.7565

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.2263, 78.5886, 87.6009

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1211, 79.2989, 90.7565 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(222, 232, 236) looks like.

```
.text, #text, p{  
    color:rgb(222, 232, 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(222, 232, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 232, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1211, 79.2989, 90.7565 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(222, 232, 236) }
```



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

```
.border{ border-color:rgb(222, 232, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 232, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 232, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 232, 236);  
box-shadow:4px 4px 4px 4px rgb(222, 232,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1211, 79.2989, 90.7565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 232, 236) }
```

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

```
.background{ background-color: rgb(222,  
232, 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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