

# Converting Colors

XYZ(74.7610, 79.6620, 89.2688)

Have a look what the booklet for  
XYZ(74.7610, 79.6620, 89.2688)  
contains.

<b>XYZ(74.7592, 79.6613, 89.2778)</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(74.7592, 79.6613,  
89.2778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E8EA
RGB	225, 232, 234
RGB Percent	88%, 91%, 92%
CMY	0.1176, 0.0902, 0.0823
CMYK	0.04, 0.01, 0.00, 0.08
HSL	193°, 18%, 90%
HSV	193°, 4%, 92%
XYZ	74.7592, 79.6613, 89.2778
YIQ	230.1350, -4.8140, -0.8620

# Conversions

## Conversions Part 2

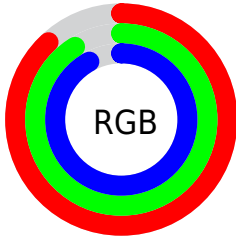
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 229, 234
Decimal	14805226
CIE Lab	91.53, -1.96, -1.79
CIE LCh	92, 2.656, 222.444
Yxy	79.6613, 0.3068, 0.3269
Android (android.graphics.Color)	4292995306 (0xFFE1E8EA)
YUV	230.1350, 1.9054, -4.5034
Hunter-Lab	89.2532, -6.6800, 3.1709

# Details

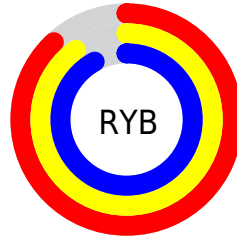
The XYZ color **74.7592, 79.6613, 89.2778** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9915, 77.8659, 82.3124**, and the grayscale version is **75.3045, 79.2262, 86.2773**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1388, 42.8111, 48.2673** is the 20% darker color. If you saturate the color by 10%, you get **66.5195, 73.2789, 88.4814**, and if you desaturate by 10%, it is **84.0463, 86.6522, 90.1389**.

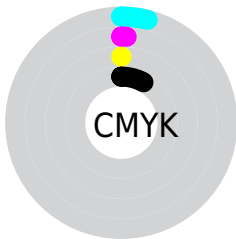
# Distribution



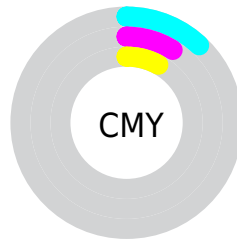
- Red (88%)
- Green (91%)
- Blue (92%)



- Red (88%)
- Yellow (90%)
- Blue (92%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (12%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7592, 79.6613, 89.2778 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 74.7592, 79.6613, 89.2778 by changing the saturation by 10% instead.



■ 74.7592, 79.6613,  
89.2778

■ 74.7592, 79.6613,  
89.2778

466.0994,  
493.7907, 546.1881

■ 55.7091, 59.4397,  
66.8115

124.9612,  
132.8894, 148.2616

■ 40.2058, 42.9672,  
48.4708

156.8438,  
166.6647, 185.6161

■ 27.8840, 29.8593,  
33.8372

193.7346,  
205.7267, 228.7704

■ 18.3782, 19.7319,  
22.4922

235.9990,  
250.4598, 278.1431

■ 11.3232, 12.2003,  
14.0173

284.0023,  
301.2483, 334.1527

■ 6.3536, 6.8802,  
7.9938

338.1099,

■ 3.1039, 3.3873,

358.4767, 397.2177

4.0033

398.6872,  
422.5294, 467.7566

■ 1.2090, 1.3371,  
1.6271

■ 0.1134, 0.1697,  
0.3101

■ 74.7592, 79.6613,  
89.2778

■ 74.7592, 79.6613,  
89.2778

■ 66.5195, 73.2789,  
88.4814

■ 84.0463, 86.6522,  
90.1389

■ 59.2797, 67.4733,  
87.7423

■ 87.9585, 90.9345,  
90.7593

■ 52.9985, 62.2247,  
87.0603

■ 89.5285, 94.0745,  
91.2826

■ 47.6291, 57.5087,  
86.4330

■ 91.1427, 97.3030,  
91.8207

■ 43.1207, 53.2982,  
85.8580

■ 91.8515, 98.7206,  
92.0570

■ 39.4170, 49.5640,  
85.3324

■ 36.4552, 46.2728,  
84.8532

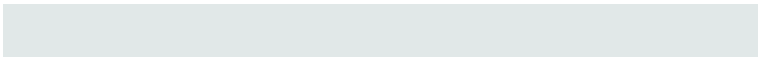
■ 34.1624, 43.3866,  
84.4170

■ 32.4498, 40.8590,  
84.0194

# Harmonies

## Analogous

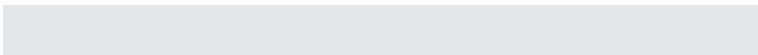
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4517, 79.6613, 87.5434



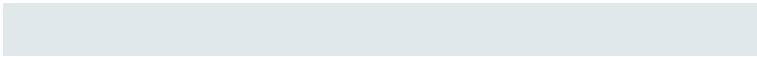
74.7592, 79.6613, 89.2778



75.3237, 79.6613, 90.3406

# Triad

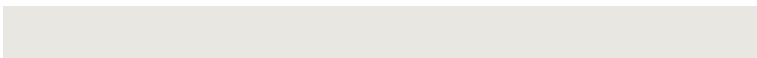
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7592, 79.6613, 89.2778



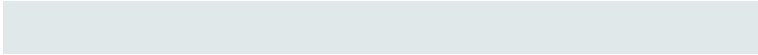
76.9635, 79.6613, 87.8669



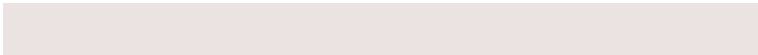
75.4355, 79.6613, 83.1481

# Complementary

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



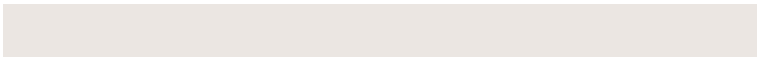
74.7592, 79.6613, 89.2778



74.9915, 77.8659, 82.3124

# Split Complementary

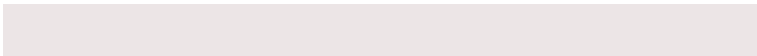
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1090, 79.6613, 83.2318



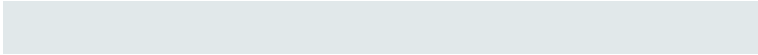
74.7592, 79.6613, 89.2778



76.9939, 79.6613, 85.9368

# Square

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



74.7592, 79.6613, 89.2778



76.5975, 79.6613, 89.5177



76.6803, 79.6613, 84.2461



74.8406, 79.6613, 84.0157

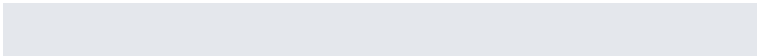


# Rectangle

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



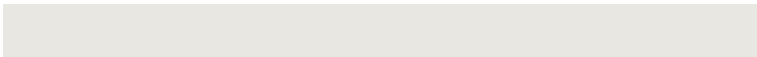
74.7592, 79.6613, 89.2778



75.7712, 79.6613, 90.5156



76.6803, 79.6613, 84.2461



75.6602, 79.6613, 83.0662

# Sweetspot

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



74.7615, 79.6647, 89.2795



93.9379, 99.1592, 108.7963



74.3335, 80.3977, 84.2385



20.1183, 21.2330, 23.2880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

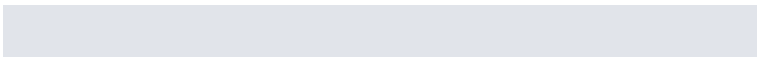
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7615, 79.6647, 89.2795



89.6183, 95.8705, 108.3892



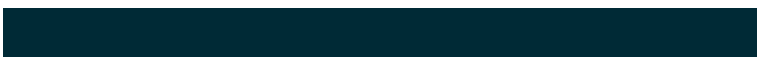
73.5235, 77.1888, 88.8669



15.9070, 17.0540, 19.3756



17.8550, 22.3570, 47.1172



1.4717, 1.8950, 3.7231



# Inverse Universe

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



75.4241, 77.1705, 87.2681



90.6646, 91.9524, 105.2086



76.2255, 80.3340, 82.7238



16.1180, 16.2661, 18.7337



23.8677, 11.7498, 26.1682

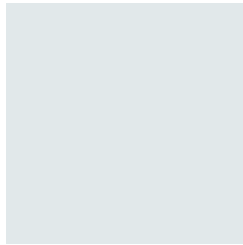


1.9094, 0.9367, 2.2401



# Previews

## White Background



This preview shows how the XYZ color 74.7592, 79.6613, 89.2778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

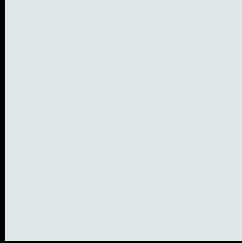
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7592, 79.6613, 89.2778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

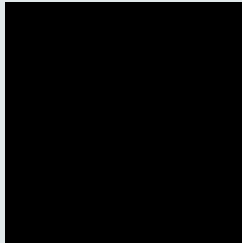
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

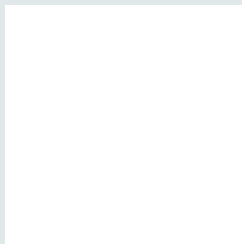
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.7592, 79.6613, 89.2778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7592, 79.6613, 89.2778.



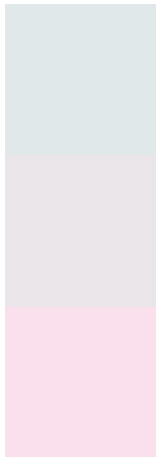
This preview shows how white text looks on a background with the XYZ color 74.7592, 79.6613,

89.2778.

# 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

74.7592, 79.6613, 89.2778

### Protanopia

76.5165, 79.3572, 87.6286

### Deuteranopia

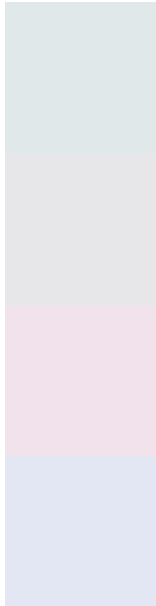
80.9523, 79.1555, 90.3688



## Tritanopia

76.9186, 79.7018, 100.1369

# Trichromacy



## Original Color

74.7592, 79.6613, 89.2778

## Protanomaly

75.9598, 79.4657, 88.4257

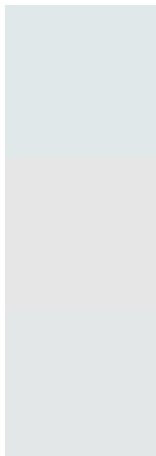
## Deuteranomaly

78.4674, 79.0916, 89.7278

## Tritanomaly

76.1176, 79.7916, 96.1835

# Monochromacy



## Original Color

74.7592, 79.6613, 89.2778

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.9946, 79.4153, 86.9774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7592, 79.6613, 89.2778 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(225, 232, 234) looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 232, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7592, 79.6613, 89.2778 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(225, 232, 234) }
```



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

```
.border{ border-color:rgb(225, 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(225, 232, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(225, 232,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7592, 79.6613, 89.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 232, 234) }
```

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

```
.background{ background-color: rgb(225,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor