

# Converting Colors

XYZ(73.3051, 78.3624, 82.1295)

Have a look what the booklet for  
XYZ(73.3051, 78.3624, 82.1295)  
contains.

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# Color

**XYZ(73.1154, 78.1442,  
81.7508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E6E0
RGB	226, 230, 224
RGB Percent	89%, 90%, 88%
CMY	0.1137, 0.0980, 0.1216
CMYK	0.02, 0.00, 0.03, 0.10
HSL	100°, 11%, 89%
HSV	100°, 3%, 90%
XYZ	73.1154, 78.1442, 81.7508
YIQ	228.1200, -0.4580, -2.7140

# Conversions

## Conversions Part 2

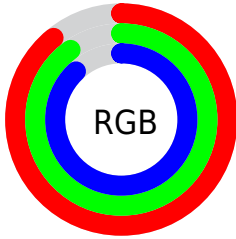
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 230, 228
Decimal	14870240
CIE <sub>Lab</sub>	90.85, -2.41, 2.44
CIE <sub>LCh</sub>	91, 3.426, 134.618
Yxy	78.1442, 0.3138, 0.3354
Android (android.graphics.Color)	4293060320 (0xFFE2E6E0)
YUV	228.1200, -2.0312, -1.8592
Hunter-Lab	88.3992, -7.0604, 7.0486

# Details

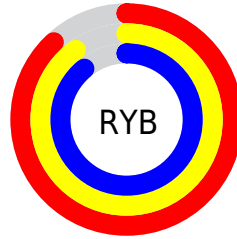
The XYZ color **73.1154, 78.1442, 81.7508** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.9365, 75.5206, 85.5997**, and the grayscale version is **73.8471, 77.6929, 84.6076**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2860, 42.1824, 43.6075** is the 20% darker color. If you saturate the color by 10%, you get **65.6083, 74.6128, 66.2028**, and if you desaturate by 10%, it is **81.4793, 82.0730, 99.5448**.

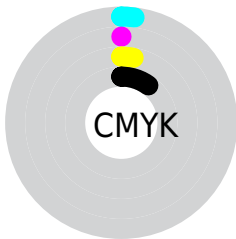
# Distribution



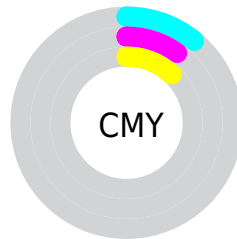
- Red (89%)
- Green (90%)
- Blue (88%)



- Red (88%)
- Yellow (90%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (11%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1154, 78.1442, 81.7508 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 73.1154, 78.1442, 81.7508 by changing the saturation by 10% instead.



■ 73.1154, 78.1442,  
81.7508

■ 73.1154, 78.1442,  
81.7508

460.5123,  
488.6564, 520.6753

■ 54.3590, 58.1924,  
60.6255

122.6433,  
130.7534, 137.6580

■ 39.1206, 41.9634,  
43.4944

154.1455,  
164.1796, 173.2771

■ 27.0347, 29.0726,  
29.9390

190.6271,  
202.8661, 214.5644

■ 17.7360, 19.1358,  
19.5406

232.4533,  
247.1972, 261.9387

■ 10.8592, 11.7684,  
11.8808

279.9896,  
297.5574, 315.8184

■ 6.0388, 6.5862,  
6.5410

333.6013,

■ 2.9096, 3.2047,

354.3311, 376.6220

3.1027

393.6537,  
417.9026, 444.7681

■ 1.1061, 1.2395,  
1.1473

■ 0.0302, 0.0936,  
0.0000

■ 73.1154, 78.1442,  
81.7508

■ 73.1154, 78.1442,  
81.7508

■ 65.6083, 74.6128,  
66.2028

■ 81.4793, 82.0730,  
99.5448

■ 58.9234, 71.4561,  
52.8066

■ 87.5883, 85.0767,  
106.4128

■ 53.0332, 68.6645,  
41.4688

■ 47.9062, 66.2238,  
32.0872

■ 43.5086, 64.1190,  
24.5508

■ 39.8039, 62.3339,  
18.7375

■ 36.7519, 60.8510,  
14.5107

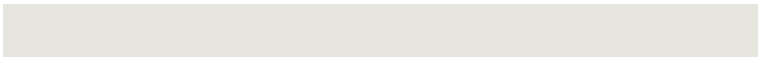
■ 34.3076, 59.6503,  
11.7127

■ 32.4189, 58.7092,  
10.1535

# Harmonies

## Analogous

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



73.8561, 78.1442, 80.5738



73.1154, 78.1442, 81.7508



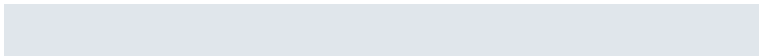
72.6868, 78.1442, 83.8326

# Triad

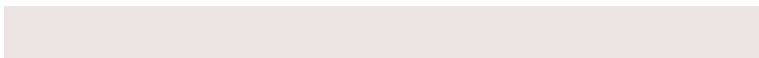
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1154, 78.1442, 81.7508



73.8349, 78.1442, 89.7460



75.8894, 78.1442, 83.8932

# Complementary

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



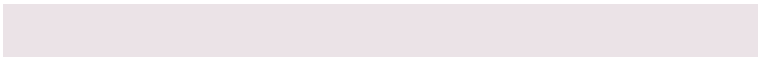
73.1154, 78.1442, 81.7508



72.9365, 75.5206, 85.5997

# 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.



75.8836, 78.1442, 86.3513



73.1154, 78.1442, 81.7508



74.6929, 78.1442, 89.7630

# Square

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



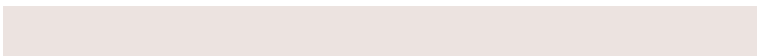
73.1154, 78.1442, 81.7508



73.0999, 78.1442, 88.4642



75.4442, 78.1442, 88.5102



75.4600, 78.1442, 81.7944



# Rectangle

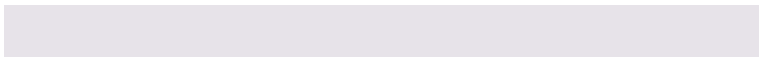
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



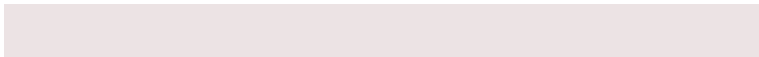
73.1154, 78.1442, 81.7508



72.6335, 78.1442, 85.4686



75.4442, 78.1442, 88.5102



75.9384, 78.1442, 84.7041

# Sweetspot

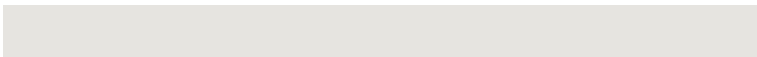
The Sweet Spot groups the original color and five complimentary colors.



73.1176, 78.1476, 81.7525



94.0192, 99.5157, 106.7229



73.8342, 77.6949, 81.6274



20.1349, 21.3056, 22.8660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

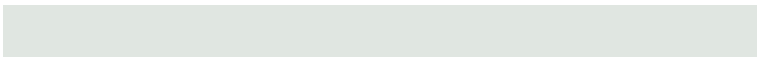
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1176, 78.1476, 81.7525



91.9904, 98.5622, 102.4551



72.6303, 77.8806, 82.4403



15.5680, 16.7582, 17.2117



17.8508, 32.9839, 5.4257



1.4148, 2.4867, 0.4054

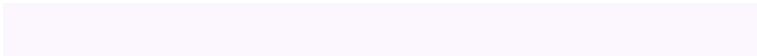


# Inverse Universe

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



72.9365, 75.5206, 85.5997



91.7267, 94.7357, 108.0591



73.4345, 75.7935, 84.8915



15.5119, 15.9439, 18.4042



15.7001, 7.1596, 42.9376

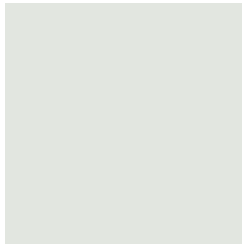


1.2577, 0.5793, 3.1775



# Previews

## White Background



This preview shows how the XYZ color 73.1154, 78.1442, 81.7508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

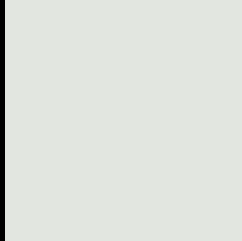
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1154, 78.1442, 81.7508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

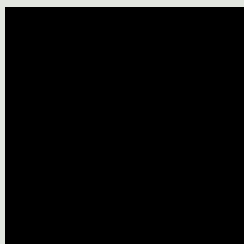
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

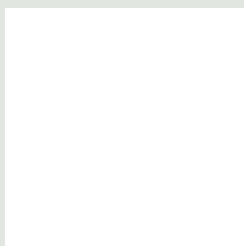
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.1154, 78.1442, 81.7508**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1154, 78.1442, 81.7508.



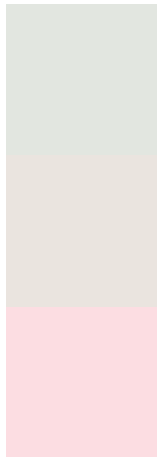
This preview shows how white text looks on a background with the XYZ color 73.1154, 78.1442,

81.7508.

# 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

73.1154, 78.1442, 81.7508

### Protanopia

74.9944, 78.3069, 80.9742

### Deuteranopia

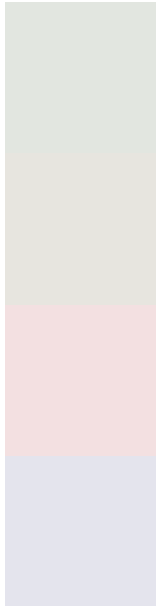
79.7288, 77.8993, 82.7854



## **Tritanopia**

76.2636, 78.1888, 97.4586

# Trichromacy



## Original Color

73.1154, 78.1442, 81.7508

## Protanomaly

74.2936, 78.3553, 81.0204

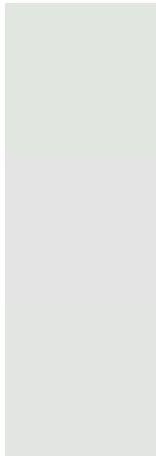
## Deuteranomaly

77.2084, 77.8022, 82.1822

## Tritanomaly

75.0244, 78.0952, 91.2404

# Monochromacy



## Original Color

73.1154, 78.1442, 81.7508

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.5630, 77.9156, 83.8351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1154, 78.1442, 81.7508 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(226, 230, 224) looks like.

```
.text, #text, p{  
    color:rgb(226, 230, 224)  
}
```

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(226, 230, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 230, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1154, 78.1442, 81.7508 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(226, 230, 224) }
```



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

```
.border{ border-color:rgb(226, 230, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 230, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 230, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 230, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 230,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1154, 78.1442, 81.7508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 230, 224) }
```

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

```
.background{ background-color: rgb(226,  
230, 224) }
```

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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