

# Converting Colors

XYZ(71.3318, 75.8465, 87.2614)

Have a look what the booklet for  
XYZ(71.3318, 75.8465, 87.2614)  
contains.

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# Color

**XYZ(71.2480, 75.8244,  
87.2243)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBE3E8
RGB	219, 227, 232
RGB Percent	86%, 89%, 91%
CMY	0.1412, 0.1098, 0.0902
CMYK	0.06, 0.02, 0.00, 0.09
HSL	203°, 22%, 88%
HSV	203°, 6%, 91%
XYZ	71.2480, 75.8244, 87.2243
YIQ	225.1780, -6.3730, -0.1410

# Conversions

## Conversions Part 2

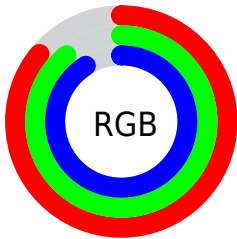
Format	Color
R <sub>Y</sub> B	219, 224, 232
Decimal	14410728
CIE Lab	89.78, -1.74, -3.37
CIE LCh	90, 3.793, 242.737
Yxy	75.8244, 0.3041, 0.3236
Android (android.graphics.Color)	4292600808 (0xFFDBE3E8)
YUV	225.1780, 3.3632, -5.4181
Hunter-Lab	87.0772, -6.3335, 1.5639

# Details

The XYZ color **71.2480, 75.8244, 87.2243** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7208, 75.5810, 77.7749**, and the grayscale version is **71.6777, 75.4105, 82.1221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8988, 40.5322, 46.9003** is the 20% darker color. If you saturate the color by 10%, you get **62.3734, 67.7240, 86.1297**, and if you desaturate by 10%, it is **81.2261, 84.6854, 88.4099**.

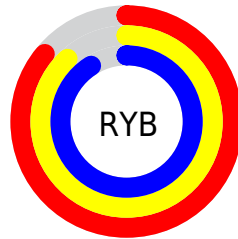
# Distribution



Red (86%)

Green (89%)

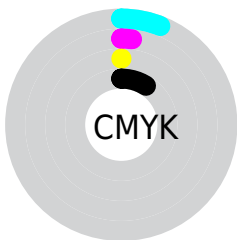
Blue (91%)



Red (86%)

Yellow (88%)

Blue (91%)

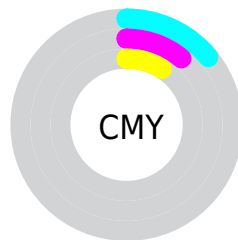


Cyan (6%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (14%)

Magenta (11%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2480, 75.8244, 87.2243 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 71.2480, 75.8244, 87.2243 by changing the saturation by 10% instead.



■ 71.2480, 75.8244,  
87.2243

■ 71.2480, 75.8244,  
87.2243

454.1183,  
480.7464, 539.2950

■ 52.8279, 56.2885,  
65.1202

120.0034,  
127.4787, 145.3784

■ 37.8923, 40.4343,  
47.1066

151.0693,  
160.3658, 182.2654

■ 26.0759, 27.8773,  
32.7649

187.0813,  
198.4722, 224.9171

■ 17.0134, 18.2332,  
21.6768

228.4046,  
242.1822, 273.7520

■ 10.3394, 11.1175,  
13.4236

275.4046,  
291.8803, 329.1887

■ 5.6886, 6.1460,  
7.5867

328.4466,

■ 2.6955, 2.9340,

347.9507, 391.6458

3.7477

387.8961,  
410.7779, 461.5417

■ 0.9949, 1.0974,  
1.4880

■ 0.0000, 0.0000,  
0.2089

■ 71.2480, 75.8244,  
87.2243

■ 71.2480, 75.8244,  
87.2243

■ 62.3734, 67.7240,  
86.1297

■ 81.2261, 84.6854,  
88.4099

■ 54.5538, 60.3501,  
85.1185

■ 88.4094, 92.2938,  
89.4999

■ 47.7467, 53.6801,  
84.1898

■ 91.1701, 97.8152,  
90.4201

■ 41.9040, 47.6861,  
83.3408

■ 91.5657, 98.6063,  
90.5519

■ 36.9735, 42.3382,  
82.5684

■ 32.8975, 37.6036,  
81.8694

■ 29.6110, 33.4457,  
81.2401

■ 27.0389, 29.8224,  
80.6763

■ 25.0886, 26.6826,  
80.1730

# Harmonies

## Analogous

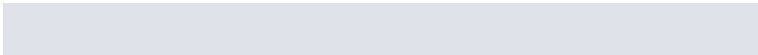
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5663, 75.8244, 85.3772



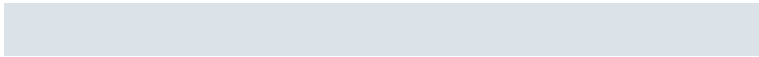
71.2480, 75.8244, 87.2243



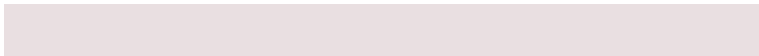
72.1548, 75.8244, 87.8131

# Triad

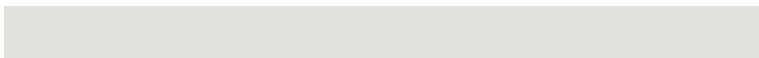
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2480, 75.8244, 87.2243



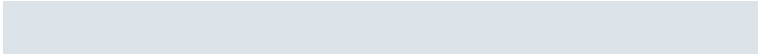
73.8805, 75.8244, 82.3141



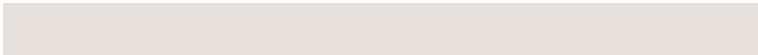
71.1004, 75.8244, 78.3020

# Complementary

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



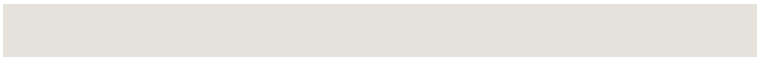
71.2480, 75.8244, 87.2243



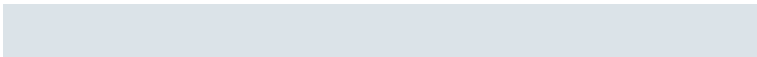
72.7208, 75.5810, 77.7749

# 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.



71.9829, 75.8244, 77.5204



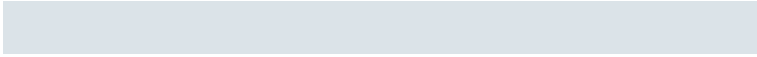
71.2480, 75.8244, 87.2243



73.5925, 75.8244, 79.8052

# Square

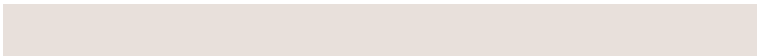
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2480, 75.8244, 87.2243



73.6796, 75.8244, 84.9422



72.8959, 75.8244, 78.0648



70.4817, 75.8244, 80.2226

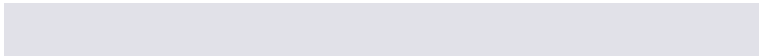


# Rectangle

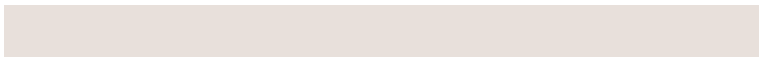
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2480, 75.8244, 87.2243



72.7663, 75.8244, 87.4027



72.8959, 75.8244, 78.0648



71.3758, 75.8244, 77.8993

# Sweetspot

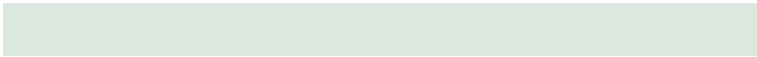
The Sweet Spot groups the original color and five complimentary colors.



71.2502, 75.8276, 87.2260



92.5764, 97.8012, 108.6060



71.5236, 78.1555, 81.8262



19.8411, 20.9566, 23.2492



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

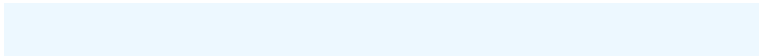


# Same Dimension

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



71.2502, 75.8276, 87.2260



86.6354, 92.4709, 107.8902



69.5092, 72.3457, 86.6456



14.6817, 15.6873, 18.3985



13.6506, 14.3634, 44.4361



1.0980, 1.2399, 3.3134



# Inverse Universe

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



72.4771, 73.3664, 83.0179



88.5325, 88.7012, 101.3752



74.4976, 79.1345, 78.3672



15.0287, 15.0002, 17.2062



21.2837, 10.6477, 15.6549

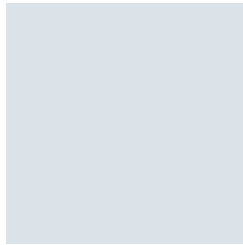


1.6178, 0.8048, 1.3941



# Previews

## White Background



This preview shows how the XYZ color 71.2480, 75.8244, 87.2243 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

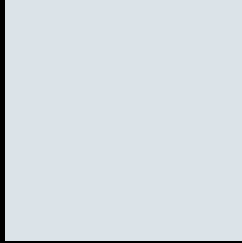
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2480, 75.8244, 87.2243 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

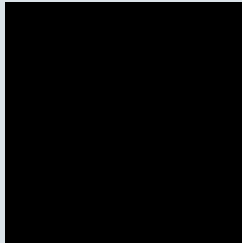
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

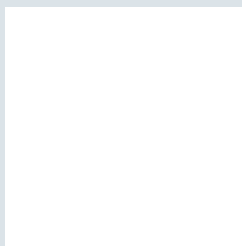
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.2480, 75.8244, 87.2243**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2480, 75.8244, 87.2243.



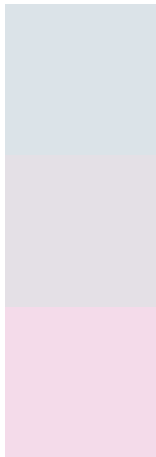
This preview shows how white text looks on a background with the XYZ color 71.2480, 75.8244,



# 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

71.2480, 75.8244, 87.2243

### Protanopia

72.9335, 75.5185, 85.5954

### Deuteranopia

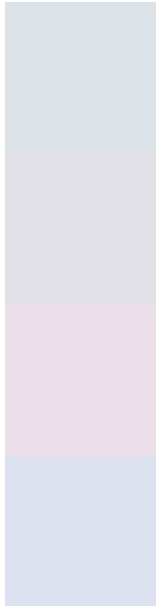
77.4910, 75.8366, 88.3956



## Tritanopia

72.9217, 75.6936, 95.5610

# Trichromacy



## Original Color

71.2480, 75.8244, 87.2243

## Protanomaly

72.4004, 75.6275, 86.3830

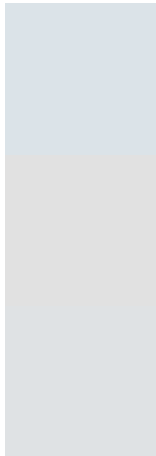
## Deuteranomaly

75.0902, 75.7879, 87.7616

## Tritanomaly

72.2915, 75.8404, 92.4898

# Monochromacy



## Original Color

71.2480, 75.8244, 87.2243

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.6314, 75.6821, 84.2315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2480, 75.8244, 87.2243 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(219, 227, 232) looks like.

```
.text, #text, p{  
    color:rgb(219, 227, 232)  
}
```

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(219, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 227, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2480, 75.8244, 87.2243 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(219, 227, 232) }
```



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

```
.border{ border-color:rgb(219, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(219, 227,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2480, 75.8244, 87.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 227, 232) }
```

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

```
.background{ background-color: rgb(219,  
227, 232) }
```

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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