

# Converting Colors

XYZ(72.6940, 78.5868, 87.2129)

Have a look what the booklet for  
XYZ(72.6940, 78.5868, 87.2129)  
contains.

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# **Color**

**XYZ(72.7956, 78.6984,  
86.9549)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DCE8E7
RGB	220, 232, 231
RGB Percent	86%, 91%, 91%
CMY	0.1372, 0.0902, 0.0941
CMYK	0.05, 0.00, 0.00, 0.09
HSL	175°, 21%, 89%
HSV	175°, 5%, 91%
XYZ	72.7956, 78.6984, 86.9549
YIQ	228.2980, -6.8310, -2.8550

# Conversions

## Conversions Part 2

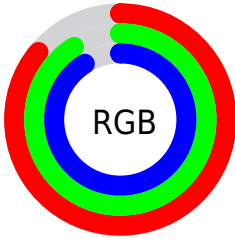
Format	Color
R <sub>Y</sub> B	220, 226, 232
Decimal	14477543
CIE Lab	91.10, -4.16, -0.90
CIE LCh	91, 4.259, 192.265
Yxy	78.6984, 0.3053, 0.3300
Android (android.graphics.Color)	4292667623 (0xFFDCE8E7)
YUV	228.2980, 1.3321, -7.2773
Hunter-Lab	88.7121, -8.7723, 3.9829

# Details

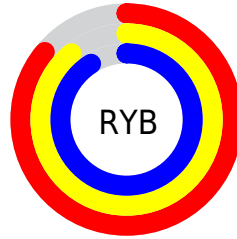
The XYZ color **72.7956, 78.6984, 86.9549** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.9259, 73.5647, 78.8188**, and the grayscale version is **73.9569, 77.8085, 84.7334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7802, 42.1451, 46.6483** is the 20% darker color. If you saturate the color by 10%, you get **65.9835, 75.2203, 85.2152**, and if you desaturate by 10%, it is **80.5897, 82.6868, 88.7596**.

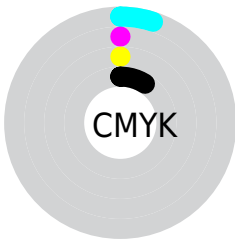
# Distribution



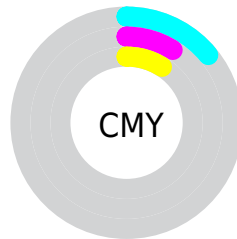
- Red (86%)
- Green (91%)
- Blue (91%)



- Red (86%)
- Yellow (89%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7956, 78.6984, 86.9549 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 72.7956, 78.6984, 86.9549 by changing the saturation by 10% instead.



■ 72.7956, 78.6984,  
86.9549

■ 72.7956, 78.6984,  
86.9549

459.4209,  
490.5354, 538.3870

■ 54.0966, 58.6479,  
64.8985

122.1917,  
131.5342, 144.9996

■ 38.9099, 42.3297,  
46.9279

153.6195,  
165.0882, 181.8249

■ 26.8700, 29.3596,  
32.6248

190.0210,  
203.9122, 224.4103

■ 17.6117, 19.3530,  
21.5704

231.7615,  
248.3906, 273.1743

■ 10.7696, 11.9256,  
13.3463

279.2064,  
298.9077, 328.5354

■ 5.9783, 6.6930,  
7.5339

332.7210,

■ 2.8724, 3.2709,

355.8479, 390.9122

3.7147

392.6707,  
419.5957, 460.7233

■ 1.0866, 1.2747,  
1.4702

■ 0.0139, 0.1215,  
0.1956

■ 72.7956, 78.6984,  
86.9549

■ 72.7956, 78.6984,  
86.9549

■ 65.9835, 75.2203,  
85.2152

■ 80.5897, 82.6868,  
88.7596

■ 60.1068, 72.2219,  
83.5335

■ 85.0764, 84.9675,  
90.4239

■ 55.1250, 69.6845,  
81.9094

■ 85.3581, 85.0802,  
91.9073

■ 50.9922, 67.5844,  
80.3408

■ 85.6428, 85.1941,  
93.4068

47.6584, 65.8958,  
78.8252

85.9307, 85.3093,  
94.9225

45.0681, 64.5902,  
77.3600

86.2216, 85.4256,  
96.4545

43.1592, 63.6355,  
75.9422

86.5156, 85.5432,  
98.0028

41.8588, 62.9942,  
74.5684

86.8127, 85.6621,  
99.5674

41.0780, 62.6204,  
73.2344

87.1130, 85.7822,  
101.1484

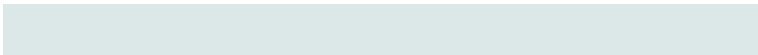
# Harmonies

## Analogous

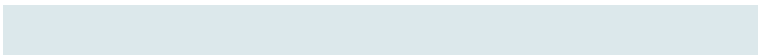
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8458, 78.6984, 83.8957



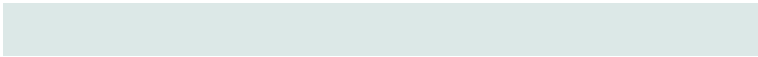
72.7956, 78.6984, 86.9549



73.2788, 78.6984, 89.7391

# Triad

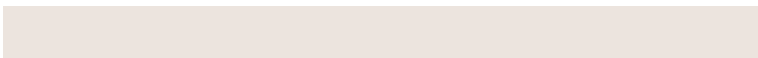
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7956, 78.6984, 86.9549



76.2015, 78.6984, 90.1524



75.4329, 78.6984, 80.1649

# Complementary

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



72.7956, 78.6984, 86.9549



71.9259, 73.5647, 78.8188

# 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.



76.3431, 78.6984, 81.7630



72.7956, 78.6984, 86.9549



76.7898, 78.6984, 87.5080

# Square

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



72.7956, 78.6984, 86.9549



75.2411, 78.6984, 91.6146



76.8418, 78.6984, 84.4358



74.3615, 78.6984, 80.0249

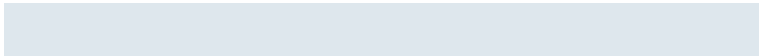


# Rectangle

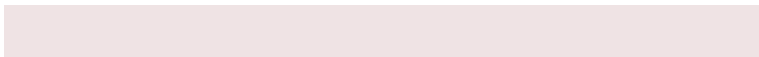
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



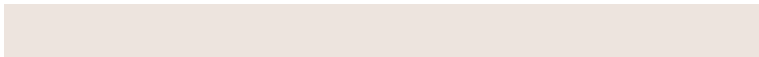
72.7956, 78.6984, 86.9549



73.8411, 78.6984, 91.0450



76.8418, 78.6984, 84.4358



75.7681, 78.6984, 80.5476

# Sweetspot

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



72.7978, 78.7017, 86.9566



93.1299, 99.0181, 108.4522



71.6569, 78.2875, 79.0455



19.9537, 21.2042, 23.2180



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

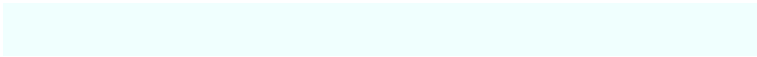


# Same Dimension

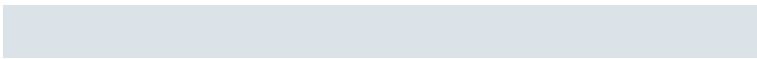
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7978, 78.7017, 86.9566



89.4381, 97.1307, 107.5658



71.6068, 76.0921, 87.2611



15.1735, 16.5295, 18.3338



22.6826, 34.7051, 40.4243



1.6916, 2.5708, 3.0685

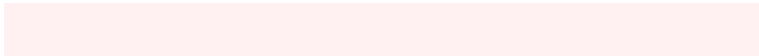


# Inverse Universe

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



71.9259, 73.5647, 78.8188



88.1859, 89.7533, 95.8791



73.0709, 76.0681, 78.5426



14.9401, 15.1542, 16.1551



18.5607, 9.5585, 1.3159

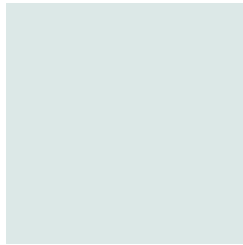


1.3886, 0.7132, 0.1869



# Previews

## White Background



This preview shows how the XYZ color 72.7956, 78.6984, 86.9549 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

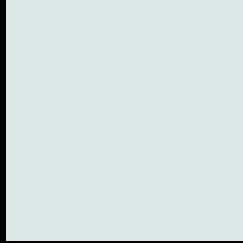
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7956, 78.6984, 86.9549 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

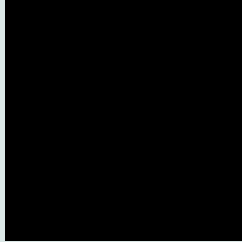
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

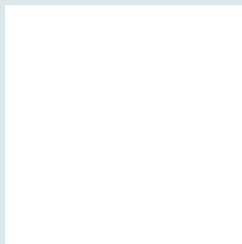
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7956, 78.6984, 86.9549**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7956, 78.6984, 86.9549.



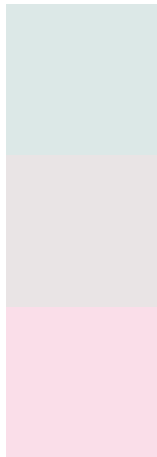
This preview shows how white text looks on a background with the XYZ color 72.7956, 78.6984,

86.9549.

# 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

72.7956, 78.6984, 86.9549

### Protanopia

75.4905, 78.4676, 85.2957

### Deuteranopia

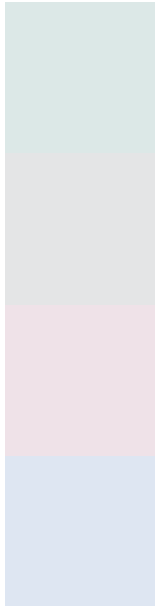
80.2536, 78.4497, 88.0033



## Tritanopia

75.3940, 78.5039, 99.9860

# Trichromacy



## Original Color

72.7956, 78.6984, 86.9549

## Protanomaly

74.2971, 78.2458, 86.0500

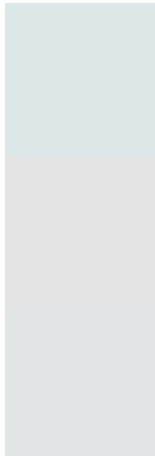
## Deuteranomaly

77.3584, 78.5696, 87.4322

## Tritanomaly

74.4480, 78.5340, 95.2392

# Monochromacy



## Original Color

72.7956, 78.6984, 86.9549

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.2135, 77.7033, 85.2682

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7956, 78.6984, 86.9549 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, 231) looks like.

```
.text, #text, p{  
    color:rgb(220, 232, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 232, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7956, 78.6984, 86.9549 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, 231) }
```



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

```
.border{ border-color:rgb(220, 232, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(220, 232,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7956, 78.6984, 86.9549 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, 231) }
```

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

```
.background{ background-color: rgb(220,  
232, 231) }
```

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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