

# Converting Colors

XYZ(72.0832, 77.8498, 87.5724)

Have a look what the booklet for  
XYZ(72.0832, 77.8498, 87.5724)  
contains.

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# **Color**

**XYZ(72.0548, 77.8834,  
87.5792)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAE7E8
RGB	218, 231, 232
RGB Percent	85%, 91%, 91%
CMY	0.1451, 0.0941, 0.0902
CMYK	0.06, 0.00, 0.00, 0.09
HSL	184°, 23%, 88%
HSV	184°, 6%, 91%
XYZ	72.0548, 77.8834, 87.5792
YIQ	227.2270, -8.0690, -2.4450

# Conversions

## Conversions Part 2

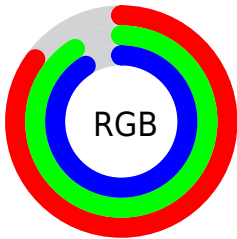
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 225, 232
Decimal	14346216
CIE Lab	90.73, -4.12, -1.99
CIE LCh	91, 4.574, 205.753
Yxy	77.8834, 0.3034, 0.3279
Android (android.graphics.Color)	4292536296 (0xFFDAE7E8)
YUV	227.2270, 2.3531, -8.0921
Hunter-Lab	88.2516, -8.7003, 2.9378

# Details

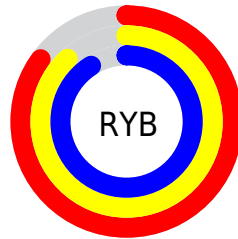
The XYZ color **72.0548, 77.8834, 87.5792** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2654, 72.8802, 76.6420**, and the grayscale version is **73.1683, 76.9787, 83.8298**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2707, 41.5811, 47.0832** is the 20% darker color. If you saturate the color by 10%, you get **65.1375, 73.6367, 87.1253**, and if you desaturate by 10%, it is **79.9520, 82.6460, 88.0835**.

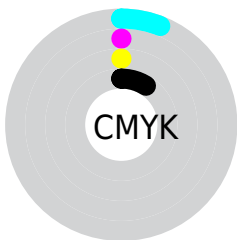
# Distribution



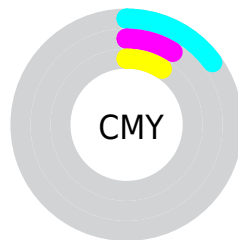
- Red (85%)
- Green (91%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0548, 77.8834, 87.5792 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 72.0548, 77.8834, 87.5792 by changing the saturation by 10% instead.



■ 72.0548, 77.8834,  
87.5792

■ 72.0548, 77.8834,  
87.5792

456.8870,  
487.7707, 540.4898

■ 53.4891, 57.9782,  
65.4123

121.1448,  
130.3857, 145.8772

■ 38.4224, 41.7911,  
47.3420

152.3998,  
163.7517, 182.8453

■ 26.4894, 28.9378,  
32.9498

188.6153,  
202.3733, 225.5842

■ 17.3247, 19.0338,  
21.8172

230.1566,  
246.6350, 274.5124

■ 10.5630, 11.6947,  
13.5256

277.3890,  
296.9212, 330.0486

■ 5.8389, 6.5361,  
7.6565

330.6780,

■ 2.7871, 3.1737,

353.6163, 392.6112

3.7913

390.3889,  
417.1047, 462.6187

■ 1.0422, 1.2231,  
1.5116

■ 0.0000, 0.0804,  
0.2265

■ 72.0548, 77.8834,  
87.5792

■ 72.0548, 77.8834,  
87.5792

■ 65.1375, 73.6367,  
87.1253

■ 79.9520, 82.6460,  
88.0835

■ 59.1533, 69.8753,  
86.7147


■ 85.3162, 86.1072,  
88.4688


■ 54.0616, 66.5805,  
86.3471


■ 85.7893, 87.0534,  
88.6265


■ 49.8160, 63.7282,  
86.0203


■ 86.2668, 88.0084,  
88.7857


 46.3660, 61.2926,  
85.7320


 86.7487, 88.9723,  
88.9463


 43.6560, 59.2447,  
85.4796


 87.2350, 89.9450,  
89.1084


 41.6226, 57.5521,  
85.2600

 87.7258, 90.9265,  
89.2720

 40.1923, 56.1767,  
85.0699

 88.2210, 91.9169,  
89.4371

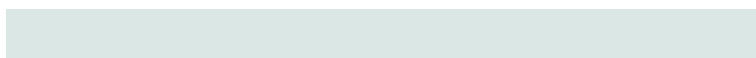
 39.2738, 55.0715,  
84.9050

 88.7207, 92.9162,  
89.6036

# Harmonies

## Analogous

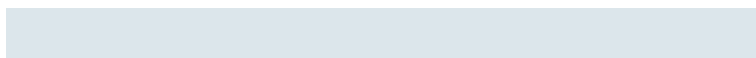
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8456, 77.8834, 84.3343



72.0548, 77.8834, 87.5792



72.7901, 77.8834, 90.1373

# Triad

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



72.0548, 77.8834, 87.5792



75.8661, 77.8834, 88.4106



74.1895, 77.8834, 78.6503

# Complementary

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



72.0548, 77.8834, 87.5792



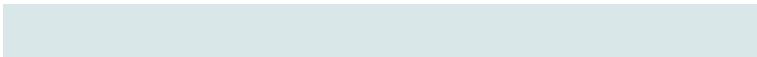
71.2654, 72.8802, 76.6420

# 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.



75.2754, 77.8834, 79.6811



72.0548, 77.8834, 87.5792



76.2498, 77.8834, 85.2710

# Square

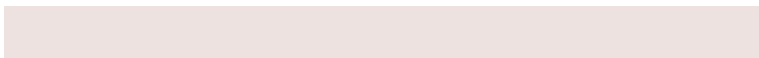
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0548, 77.8834, 87.5792



74.9894, 77.8834, 90.6260



76.0325, 77.8834, 82.0837



73.0706, 77.8834, 79.2326

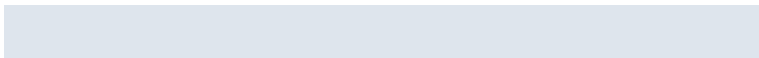


# Rectangle

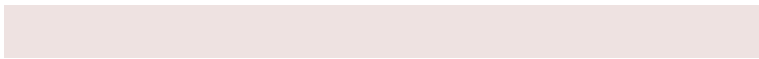
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0548, 77.8834, 87.5792



73.4837, 77.8834, 91.0800



76.0325, 77.8834, 82.0837



74.5706, 77.8834, 78.8189

# Sweetspot

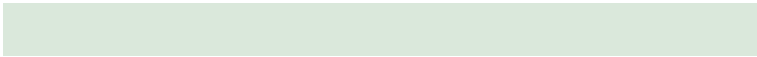
The Sweet Spot groups the original color and five complimentary colors.



72.0570, 77.8867, 87.5809



93.0828, 98.8142, 108.7748



70.5486, 77.7308, 78.2582



19.9442, 21.1627, 23.2836



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

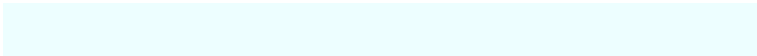


# Same Dimension

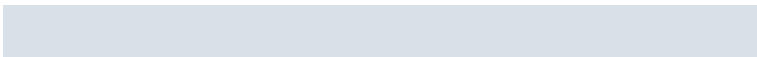
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0570, 77.8867, 87.5809



88.3812, 95.9625, 108.4722



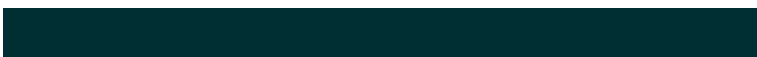
70.1537, 74.0800, 86.9465



15.0012, 16.3264, 18.5050



21.6853, 30.4328, 47.1143



1.6289, 2.3018, 3.4904



# Inverse Universe

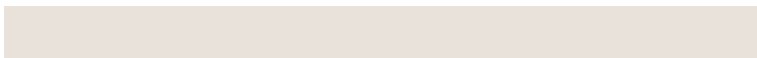
The Inverse Universe completely reimagines the original color for something new.



72.7756, 73.0696, 85.8733



89.4137, 89.0537, 106.0155



73.1130, 76.5755, 77.2579



15.1900, 15.0647, 18.0556



25.3393, 12.2699, 37.0111

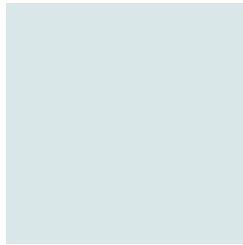


1.8858, 0.9120, 2.8053



# Previews

## White Background



This preview shows how the XYZ color 72.0548, 77.8834, 87.5792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

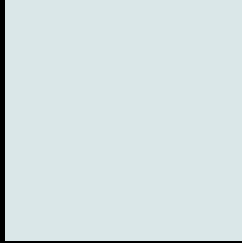
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0548, 77.8834, 87.5792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

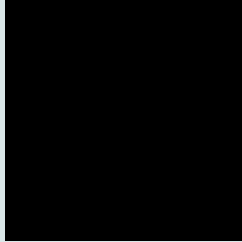
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

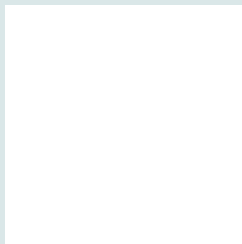
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0548, 77.8834, 87.5792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0548, 77.8834, 87.5792.



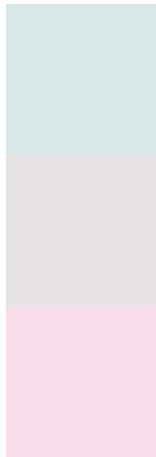
This preview shows how white text looks on a background with the XYZ color 72.0548, 77.8834,



# 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

72.0548, 77.8834, 87.5792

### Protanopia

75.0307, 77.8071, 85.9266

### Deuteranopia

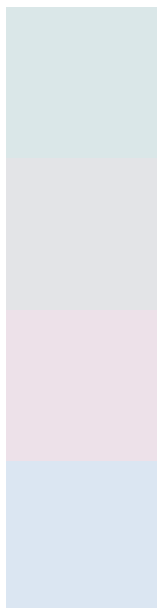
79.4191, 77.6099, 88.6363



## **Tritanopia**

74.3230, 77.9697, 99.1281

# Trichromacy



## Original Color

72.0548, 77.8834, 87.5792

## Protanomaly

73.8458, 77.5872, 86.6850

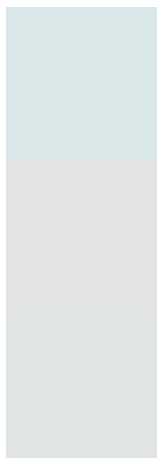
## Deuteranomaly

76.5582, 77.7381, 88.0607

## Tritanomaly

73.5372, 78.0645, 95.1965

# Monochromacy



## Original Color

72.0548, 77.8834, 87.5792

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.6267, 76.9912, 85.1617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0548, 77.8834, 87.5792 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(218, 231, 232) looks like.

```
.text, #text, p{  
    color:rgb(218, 231, 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(218, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 231, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0548, 77.8834, 87.5792 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(218, 231, 232) }
```



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

```
.border{ border-color:rgb(218, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(218, 231,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0548, 77.8834, 87.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 231, 232) }
```

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

```
.background{ background-color: rgb(218,  
231, 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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