

# Converting Colors

XYZ(71.1657, 77.4251, 87.5376)

Have a look what the booklet for  
XYZ(71.1657, 77.4251, 87.5376)  
contains.

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# Color

**XYZ(71.1657, 77.4251,  
87.5376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E7E8
RGB	215, 231, 232
RGB Percent	84%, 91%, 91%
CMY	0.1569, 0.0941, 0.0902
CMYK	0.07, 0.00, 0.00, 0.09
HSL	184°, 27%, 88%
HSV	184°, 7%, 91%
XYZ	71.1657, 77.4251, 87.5376
YIQ	226.3300, -9.8570, -3.0810

# Conversions

## Conversions Part 2

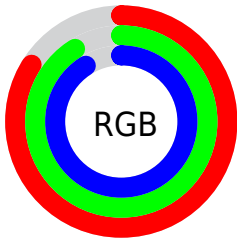
Format	Color
R <sub>Y</sub> B	215, 223, 232
Decimal	14149608
CIE Lab	90.52, -5.10, -2.32
CIE LCh	91, 5.601, 204.463
Yxy	77.4251, 0.3014, 0.3279
Android (android.graphics.Color)	4292339688 (0xFFD7E7E8)
YUV	226.3300, 2.7953, -9.9364
Hunter-Lab	87.9915, -9.6181, 2.6099

# Details

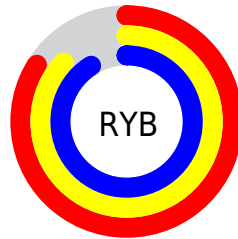
The XYZ color **71.1657, 77.4251, 87.5376** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.1005, 71.1732, 74.3342**, and the grayscale version is **72.5149, 76.2913, 83.0812**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6636, 41.2681, 47.0548** is the 20% darker color. If you saturate the color by 10%, you get **64.4520, 73.4034, 87.1164**, and if you desaturate by 10%, it is **78.8529, 81.9573, 88.0084**.

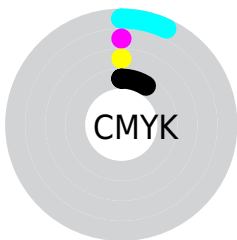
# Distribution



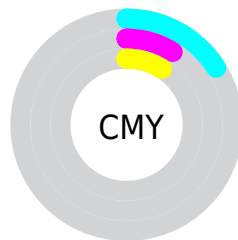
- Red (84%)
- Green (91%)
- Blue (91%)



- Red (84%)
- Yellow (87%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1657, 77.4251, 87.5376 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 71.1657, 77.4251, 87.5376 by changing the saturation by 10% instead.



■ 71.1657, 77.4251,  
87.5376

■ 71.1657, 77.4251,  
87.5376

453.8353,  
486.2122, 540.3498

■ 52.7605, 57.6018,  
65.3780

119.8869,  
129.7394, 145.8187

■ 37.8383, 41.4886,  
47.3144

150.9335,  
162.9992, 182.7773

■ 26.0338, 28.7011,  
32.9281

186.9246,  
201.5066, 225.5060

■ 16.9818, 18.8548,  
21.8007

228.2256,  
245.6461, 274.4233

■ 10.3167, 11.5654,  
13.5136

275.2018,  
295.8020, 329.9478

■ 5.6733, 6.4485,  
7.6483

328.2186,

■ 2.6862, 3.1197,

352.3587, 392.4981

3.7862

387.6413,  
415.7007, 462.4925

■ 0.9901, 1.1945,  
1.5088

■ 0.0000, 0.0572,  
0.2245

■ 71.1657, 77.4251,  
87.5376

■ 71.1657, 77.4251,  
87.5376

■ 64.4520, 73.4034,  
87.1164

■ 78.8529, 81.9573,  
88.0084

■ 58.6646, 69.8615,  
86.7378


■ 85.1502, 85.7753,  
88.4135


■ 53.7625, 66.7803,  
86.4014


■ 85.5382, 86.5513,  
88.5428


■ 49.6988, 64.1357,  
86.1051


■ 85.9292, 87.3332,  
88.6731


 46.4226, 61.9014,  
85.8465


 86.3232, 88.1212,  
88.8045


 43.8772, 60.0482,  
85.6230


 86.7201, 88.9151,  
88.9368


 41.9983, 58.5429,  
85.4315

 87.1201, 89.7150,  
89.0701

 40.7105, 57.3467,  
85.2684

 87.5230, 90.5209,  
89.2044

 39.9143, 56.4082,  
85.1293

 87.9290, 91.3328,  
89.3397

# Harmonies

## Analogous

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



70.9418, 77.4251, 83.5606



71.1657, 77.4251, 87.5376



72.0358, 77.4251, 90.7369

# Triad

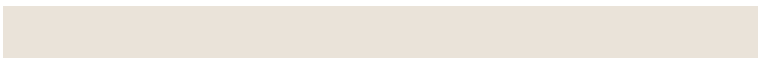
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1657, 77.4251, 87.5376



75.8038, 77.4251, 88.8663



73.8504, 77.4251, 76.8557

# Complementary

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



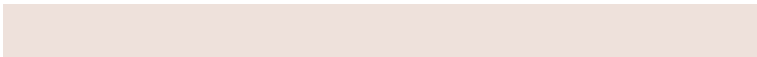
71.1657, 77.4251, 87.5376



70.1005, 71.1732, 74.3342

# 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.



75.1669, 77.4251, 78.1802



71.1657, 77.4251, 87.5376



76.3038, 77.4251, 85.0493

# Square

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



71.1657, 77.4251, 87.5376



74.7112, 77.4251, 91.5209



76.0692, 77.4251, 81.1486



72.4805, 77.4251, 77.4745

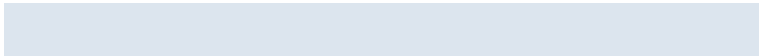


# Rectangle

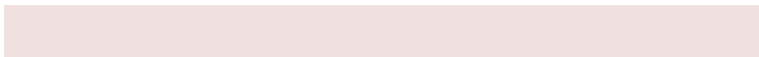
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1657, 77.4251, 87.5376



72.8711, 77.4251, 91.9553



76.0692, 77.4251, 81.1486



74.3141, 77.4251, 77.0871

# Sweetspot

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



71.1679, 77.4284, 87.5393



93.1032, 98.8550, 108.7816



69.2574, 77.1116, 76.0990



19.9483, 21.1710, 23.2850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

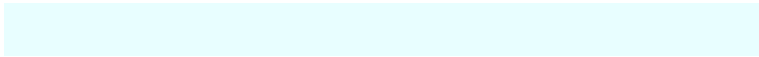


# Same Dimension

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



71.1679, 77.4284, 87.5393



86.6773, 95.0490, 108.3856



68.8852, 72.8630, 86.7784



14.7313, 16.1840, 18.4917



22.0959, 31.2539, 47.2512



1.6549, 2.3538, 3.4991



# Inverse Universe

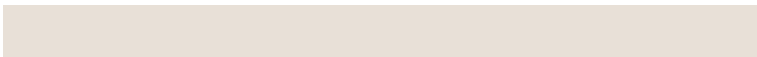
The Inverse Universe completely reimagines the original color for something new.



72.0046, 71.5276, 85.6163



87.9449, 86.1350, 105.4670



72.2954, 75.5630, 75.0659



14.9567, 14.5999, 17.9725



25.5465, 12.3528, 38.1025

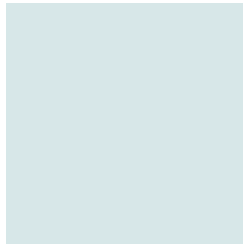


1.8990, 0.9173, 2.8745



# Previews

## White Background



This preview shows how the XYZ color 71.1657, 77.4251, 87.5376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

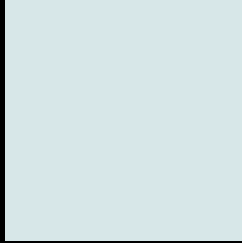
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1657, 77.4251, 87.5376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

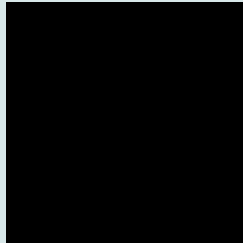
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

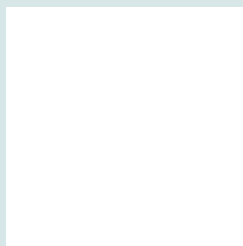
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.1657, 77.4251, 87.5376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1657, 77.4251, 87.5376.



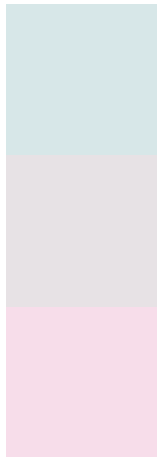
This preview shows how white text looks on a background with the XYZ color 71.1657, 77.4251,



# 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

71.1657, 77.4251, 87.5376

### Protanopia

74.2942, 77.0388, 85.0830

### Deuteranopia

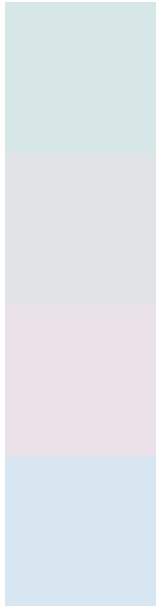
79.0655, 77.4276, 88.6197



## Tritanopia

73.4231, 77.5057, 99.0860

# Trichromacy



## Original Color

71.1657, 77.4251, 87.5376

## Protanomaly

73.0777, 77.2075, 85.9138

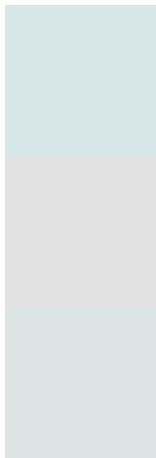
## Deuteranomaly

75.8941, 77.3958, 88.0296

## Tritanomaly

72.6427, 77.6034, 95.1547

# Monochromacy



## Original Color

71.1657, 77.4251, 87.5376

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.8712, 76.6178, 84.3995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1657, 77.4251, 87.5376 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(215, 231, 232) looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1657, 77.4251, 87.5376 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(215, 231, 232) }
```



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

```
.border{ border-color:rgb(215, 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(215, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1657, 77.4251, 87.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 231, 232) }
```

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

```
.background{ background-color: rgb(215,  
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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