

# Converting Colors

XYZ(70.4670, 77.5197, 78.3656)

Have a look what the booklet for  
XYZ(70.4670, 77.5197, 78.3656)  
contains.

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# Color

**XYZ(70.5562, 77.7331,  
78.3031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE8DB
RGB	218, 232, 219
RGB Percent	85%, 91%, 86%
CMY	0.1451, 0.0902, 0.1412
CMYK	0.06, 0.00, 0.06, 0.09
HSL	124°, 23%, 88%
HSV	124°, 6%, 91%
XYZ	70.5562, 77.7331, 78.3031
YIQ	226.3320, -4.1710, -7.0110

# Conversions

## Conversions Part 2

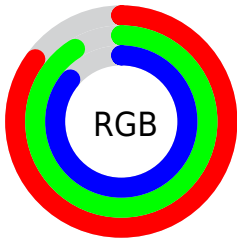
Format	Color
<a href="#">RYB</a>	<a href="#">218, 231, 232</a>
Decimal	<a href="#">14346459</a>
CIELab	<a href="#">90.66, -7.01, 4.71</a>
CIElCh	<a href="#">91, 8.441, 146.104</a>
Yxy	<a href="#">77.7331, 0.3114, 0.3431</a>
Android (android.graphics.Color)	<a href="#">4292536539</a> ( <a href="#">0xFFDAE8DB</a> )
YUV	<a href="#">226.3320, -3.6147, -7.3072</a>
Hunter-Lab	<a href="#">88.1664, -11.4444, 9.0593</a>

# Details

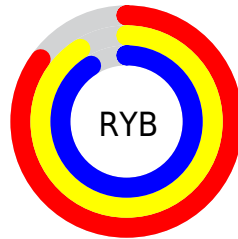
The XYZ color **70.5562, 77.7331, 78.3031** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7767, 73.0700, 85.8732**, and the grayscale version is **72.5583, 76.3370, 83.1310**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3304, 41.5175, 41.1681** is the 20% darker color. If you saturate the color by 10%, you get **61.4430, 73.3441, 64.0176**, and if you desaturate by 10%, it is **81.0120, 82.7763, 94.5708**.

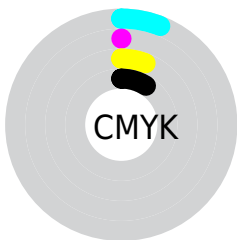
# Distribution



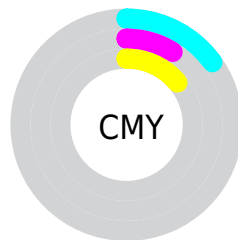
- Red (85%)
- Green (91%)
- Blue (86%)



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



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



- Cyan (15%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5562, 77.7331, 78.3031 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 70.5562, 77.7331, 78.3031 by changing the saturation by 10% instead.



70.5562, 77.7331,  
78.3031

70.5562, 77.7331,  
78.3031

451.7365,  
487.2599, 508.7507

52.2613, 57.8548,  
57.8051

119.0235,  
130.1738, 132.7671

37.4385, 41.6919,  
41.2383

149.9267,  
163.5050, 167.5701

25.7224, 28.8601,  
28.1842

185.7634,  
202.0892, 207.9785

16.7477, 18.9750,  
18.2243

226.8989,  
246.3108, 254.4109

10.1490, 11.6522,  
10.9401

273.6986,  
296.5544, 307.2858

5.5609, 6.5073,  
5.9129

326.5279,

2.6180, 3.1560,

353.2041, 367.0217

2.7242

385.7521,  
416.6445, 434.0372

■ 0.9552, 1.2137,  
0.9556

■ 0.0000, 0.0728,  
0.0000

■ 70.5562, 77.7331,  
78.3031

■ 70.5562, 77.7331,  
78.3031

■ 61.4430, 73.3441,  
64.0176

■ 81.0120, 82.7763,  
94.5708

■ 53.6118, 69.5730,  
51.6335

■ 88.1481, 86.1962,  
106.5994

■ 47.0071, 66.3950,  
41.0724

■ 41.5665, 63.7799,  
32.2482

■ 37.2224, 61.6949,  
25.0679

■ 33.9003, 60.1036,  
19.4298

■ 31.5161, 58.9652,  
15.2210

■ 29.9724, 58.2322,  
12.3132

■ 29.1499, 57.8462,  
10.5551

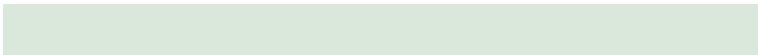
# Harmonies

## Analogous

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



72.1068, 77.7331, 74.5973



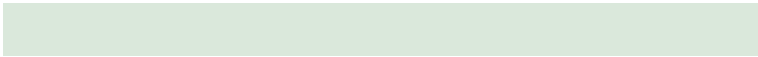
70.5562, 77.7331, 78.3031



69.8967, 77.7331, 83.8486

# Triad

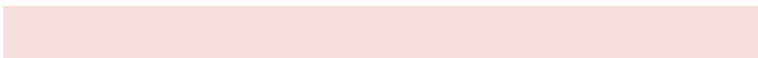
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5562, 77.7331, 78.3031



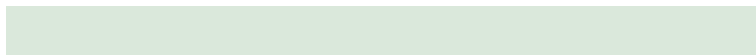
73.6068, 77.7331, 96.8070



77.5981, 77.7331, 79.6128

# Complementary

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



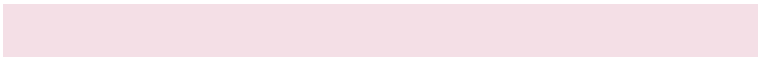
70.5562, 77.7331, 78.3031



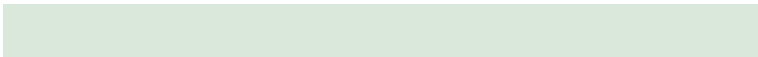
72.7767, 73.0700, 85.8732

# 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.



78.0181, 77.7331, 85.4326



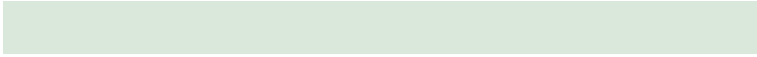
70.5562, 77.7331, 78.3031



75.6881, 77.7331, 95.5418

# Square

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



70.5562, 77.7331, 78.3031



71.6365, 77.7331, 94.6858



77.3127, 77.7331, 91.3060

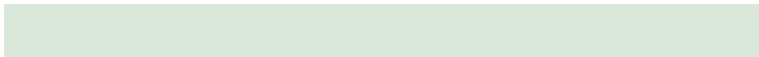


76.1759, 77.7331, 75.3277



# Rectangle

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



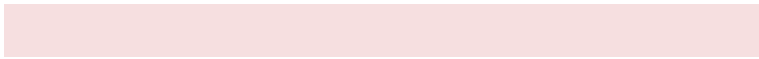
70.5562, 77.7331, 78.3031



70.0416, 77.7331, 87.9123



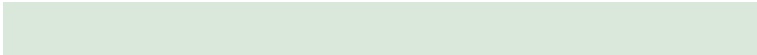
77.3127, 77.7331, 91.3060



77.8623, 77.7331, 81.4463

# Sweetspot

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



70.5584, 77.7364, 78.3048



92.4453, 98.7442, 104.8471



74.4913, 79.7791, 77.8034



19.8144, 21.1485, 22.4841



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.



70.5584, 77.7364, 78.3048



86.2303, 95.7484, 95.1532



71.4908, 78.1094, 83.2148



14.6084, 16.2877, 16.0712



16.0911, 32.0685, 5.7141



1.2038, 2.3756, 0.4997



# Inverse Universe

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



72.7767, 73.0700, 85.8732



89.4130, 89.0534, 106.0116



71.8162, 72.6858, 80.8153



15.1899, 15.0646, 18.0549



25.3350, 12.2682, 36.9887

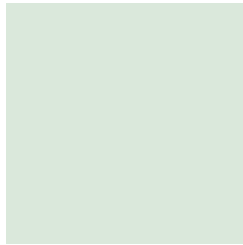


1.8856, 0.9119, 2.8039



# Previews

## White Background



This preview shows how the XYZ color 70.5562, 77.7331, 78.3031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

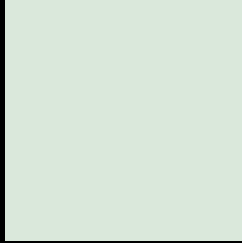
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5562, 77.7331, 78.3031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

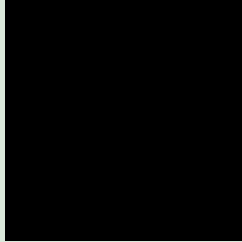
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

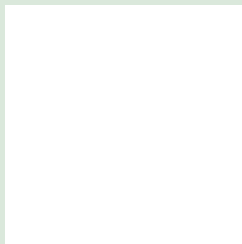
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.5562, 77.7331, 78.3031

## Background



This preview shows how black text looks on a background with the XYZ color 70.5562, 77.7331, 78.3031.



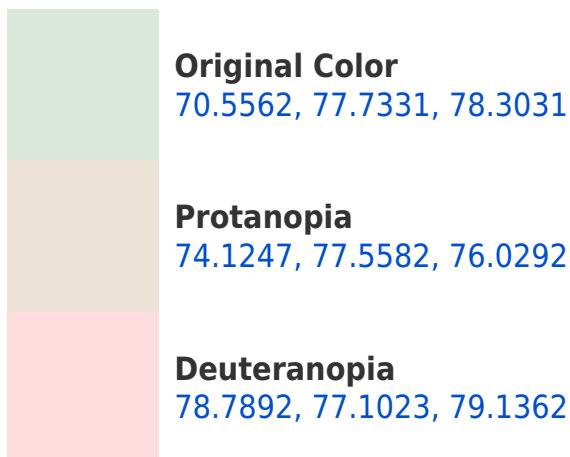
This preview shows how white text looks on a background with the XYZ color 70.5562, 77.7331,



# 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

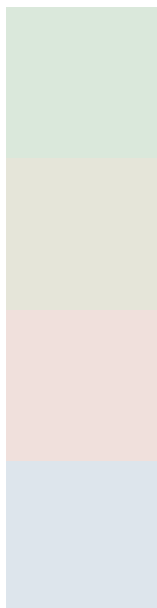




## Tritanopia

74.5022, 77.6702, 98.2539

# Trichromacy



## Original Color

70.5562, 77.7331, 78.3031

## Protanomaly

72.8568, 77.7064, 76.8045

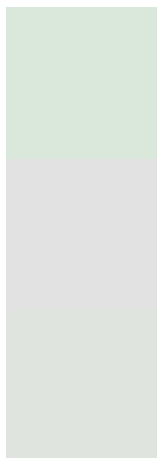
## Deuteranomaly

75.5091, 77.0039, 78.5936

## Tritanomaly

72.9784, 77.4669, 90.4631

# Monochromacy



## Original Color

70.5562, 77.7331, 78.3031

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.4941, 76.5025, 80.8104

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5562, 77.7331, 78.3031 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, 232, 219) looks like.

```
.text, #text, p{  
    color:rgb(218, 232, 219)  
}
```

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, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 232, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5562, 77.7331, 78.3031 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, 232, 219) }
```



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

```
.border{ border-color:rgb(218, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 232, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 232, 219); box-shadow:4px 4px 4px 4px rgb(218, 232, 219) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5562, 77.7331, 78.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 232, 219) }
```

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

```
.background{ background-color: rgb(218,  
232, 219) }
```

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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