

# Converting Colors

XYZ(68.4270, 75.4306, 78.8839)

Have a look what the booklet for  
XYZ(68.4270, 75.4306, 78.8839)  
contains.

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# Color

**XYZ(68.3782, 75.3521,  
78.6506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5E5DC
RGB	213, 229, 220
RGB Percent	84%, 90%, 86%
CMY	0.1647, 0.1019, 0.1372
CMYK	0.07, 0.00, 0.04, 0.10
HSL	146°, 24%, 87%
HSV	146°, 7%, 90%
XYZ	68.3782, 75.3521, 78.6506
YIQ	223.1900, -6.6470, -6.1910

# Conversions

## Conversions Part 2

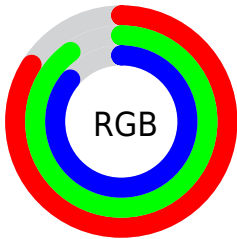
Format	Color
RYP	213, 224, 229
Decimal	14018012
CIELab	89.56, -6.97, 2.55
CIElCh	90, 7.421, 159.938
Yxy	75.3521, 0.3075, 0.3388
Android (android.graphics.Color)	4292208092 (0xFFD5E5DC)
YUV	223.1900, -1.5727, -8.9366
Hunter-Lab	86.8056, -11.3024, 7.0439

# Details

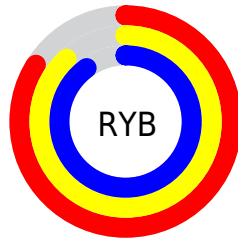
The XYZ color **68.3782, 75.3521, 78.6506** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2950, 69.5225, 78.8780**, and the grayscale version is **70.2903, 73.9509, 80.5325**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0281, 40.2578, 41.4690** is the 20% darker color. If you saturate the color by 10%, you get **60.5581, 71.5125, 69.7185**, and if you desaturate by 10%, it is **77.2720, 79.7343, 88.3227**.

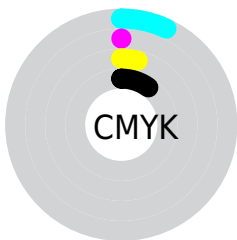
# Distribution



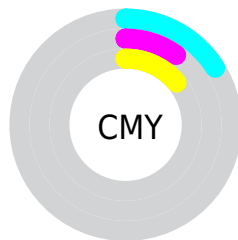
- Red (84%)
- Green (90%)
- Blue (86%)



- Red (84%)
- Yellow (88%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)



- Cyan (16%)
- Magenta (10%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3782, 75.3521, 78.6506 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 68.3782, 75.3521, 78.6506 by changing the saturation by 10% instead.



68.3782, 75.3521,  
78.6506

68.3782, 75.3521,  
78.6506

444.1906,  
479.1269, 509.9599

50.4803, 55.9014,  
58.0890

115.9320,  
126.8106, 133.2611

36.0145, 40.1239,  
41.4650

146.3185,  
159.5873, 168.1470

24.6156, 27.6351,  
28.3602

181.5986,  
197.5747, 208.6447

15.9181, 18.0508,  
18.3559

222.1377,  
241.1572, 255.1728

9.5567, 10.9865,  
11.0338

268.3011,  
290.7193, 308.1499

5.1660, 6.0577,  
5.9751

320.4541,

2.3808, 2.8802,

346.6454, 367.9944

2.7614

378.9622,  
409.3198, 435.1249

■ 0.8355, 1.0695,  
0.9741

■ 0.0000, 0.0000,  
0.0000

■ 68.3782, 75.3521,  
78.6506

■ 68.3782, 75.3521,  
78.6506

■ 60.5581, 71.5125,  
69.7185

■ 77.2720, 79.7343,  
88.3227

■ 53.7634, 68.1844,  
61.5039

■ 85.8599, 83.9412,  
98.6804

■ 47.9513, 65.3485,  
53.9907

■ 87.3108, 84.5215,  
106.3203

■ 43.0734, 62.9800,  
47.1599

■ 39.0772, 61.0522,  
40.9918

■ 35.9045, 59.5357,  
35.4660

■ 33.4899, 58.3970,  
30.5603

■ 31.7571, 57.5972,  
26.2517

■ 30.6081, 57.0864,  
22.5146

# Harmonies

## Analogous

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



69.3936, 75.3521, 74.5882



68.3782, 75.3521, 78.6506



68.2231, 75.3521, 83.7900

# Triad

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



68.3782, 75.3521, 78.6506



72.2264, 75.3521, 92.3341



74.3407, 75.3521, 75.7697

# Complementary

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



68.3782, 75.3521, 78.6506



69.2950, 69.5225, 78.8780

# 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.



75.1276, 75.3521, 80.3256



68.3782, 75.3521, 78.6506



73.8933, 75.3521, 89.9843

# Square

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



68.3782, 75.3521, 78.6506



70.4244, 75.3521, 91.8391



74.9625, 75.3521, 85.5370

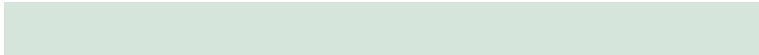


72.8288, 75.3521, 72.9744



# Rectangle

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



68.3782, 75.3521, 78.6506



68.6257, 75.3521, 87.1572



74.9625, 75.3521, 85.5370



74.6999, 75.3521, 77.1379

# Sweetspot

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



68.3803, 75.3553, 78.6523



92.7399, 98.8621, 106.3985



70.1770, 76.3864, 73.9973



19.8744, 21.1725, 22.8000



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.



68.3803, 75.3553, 78.6523



86.1458, 95.6169, 99.1241



69.4569, 75.7859, 84.3213



14.4498, 16.1934, 16.6336



17.3979, 32.5913, 12.5956



1.3316, 2.4268, 1.1729



# Inverse Universe

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



69.2950, 69.5225, 78.8780



87.4803, 87.1064, 99.4534



68.2558, 69.1068, 73.4058



14.7149, 14.5031, 16.6990



20.7959, 10.4526, 13.0862

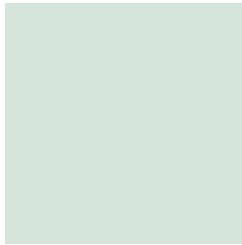


1.5832, 0.7910, 1.2118



# Previews

## White Background



This preview shows how the XYZ color 68.3782, 75.3521, 78.6506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

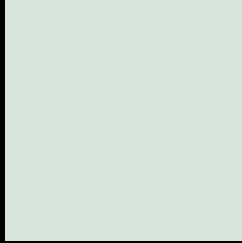
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.3782, 75.3521, 78.6506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

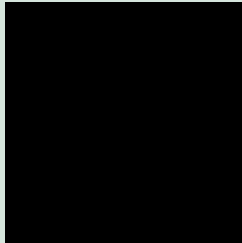
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

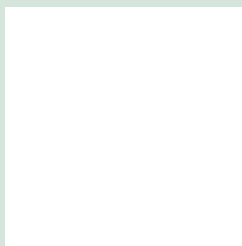
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.3782, 75.3521, 78.6506**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3782, 75.3521, 78.6506.



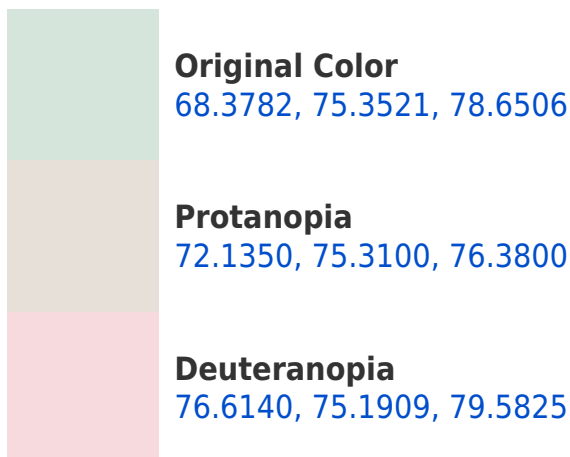
This preview shows how white text looks on a background with the XYZ color 68.3782, 75.3521,



# 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

71.7181, 75.0732, 95.5046

# Trichromacy



## Original Color

68.3782, 75.3521, 78.6506

## Protanomaly

70.5917, 75.3020, 77.1438

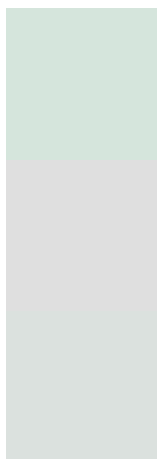
## Deuteranomaly

73.4334, 75.1252, 79.0369

## Tritanomaly

70.5107, 74.9898, 89.3554

# Monochromacy



## Original Color

68.3782, 75.3521, 78.6506

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.3234, 74.1844, 79.7725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3782, 75.3521, 78.6506 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(213, 229, 220) looks like.

```
.text, #text, p{  
    color:rgb(213, 229, 220)  
}
```

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(213, 229, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 229, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3782, 75.3521, 78.6506 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(213, 229, 220) }
```



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

```
.border{ border-color:rgb(213, 229, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 229, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 229, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 229, 220);  
box-shadow:4px 4px 4px 4px rgb(213, 229,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3782, 75.3521, 78.6506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 229, 220) }
```

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

```
.background{ background-color: rgb(213,  
229, 220) }
```

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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