

# Converting Colors

XYZ(68.1530, 69.6208, 81.7965)

Have a look what the booklet for  
XYZ(68.1530, 69.6208, 81.7965)  
contains.

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# Color

**XYZ(68.1521, 69.6215,  
81.7978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED7E2
RGB	222, 215, 226
RGB Percent	87%, 84%, 89%
CMY	0.1294, 0.1568, 0.1137
CMYK	0.02, 0.05, 0.00, 0.11
HSL	278°, 16%, 86%
HSV	278°, 5%, 89%
XYZ	68.1521, 69.6215, 81.7978
YIQ	218.3470, 0.6410, 4.9050

# Conversions

## Conversions Part 2

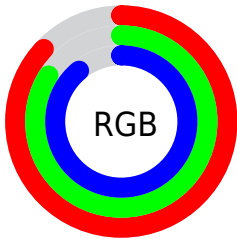
Format	Color
R <sub>Y</sub> B	222, 215, 226
Decimal	14604258
CIE Lab	86.81, 4.37, -4.55
CIE LCh	87, 6.313, 313.857
Yxy	69.6215, 0.3104, 0.3171
Android (android.graphics.Color)	4292794338 (0xFFDED7E2)
YUV	218.3470, 3.7729, 3.2037
Hunter-Lab	83.4395, -0.2231, 0.2842

# Details

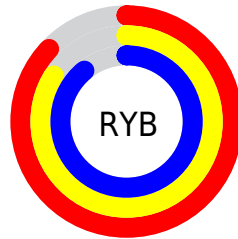
The XYZ color **68.1521, 69.6215, 81.7978** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6782, 74.3610, 75.0270**, and the grayscale version is **66.8562, 70.3379, 76.5980**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8578, 36.2974, 43.6443** is the 20% darker color. If you saturate the color by 10%, you get **60.3339, 57.6316, 79.8966**, and if you desaturate by 10%, it is **76.8921, 83.2705, 83.9727**.

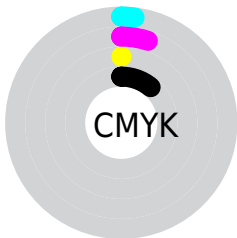
# Distribution



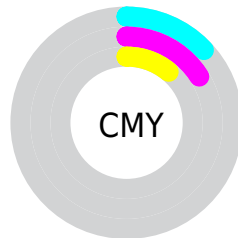
- Red (87%)
- Green (84%)
- Blue (89%)



- Red (87%)
- Yellow (84%)
- Blue (89%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (16%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1521, 69.6215, 81.7978 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 68.1521, 69.6215, 81.7978 by changing the saturation by 10% instead.



■ 68.1521, 69.6215,  
81.7978

■ 68.1521, 69.6215,  
81.7978

443.4030,  
459.2199, 520.8368

■ 50.2956, 51.2180,  
60.6640

115.6104,  
118.6688, 137.7245

■ 35.8671, 36.3822,  
43.5253

145.9430,  
150.0815, 173.3546

■ 24.5012, 24.7295,  
29.9630

181.1649,  
186.5993, 214.6539

■ 15.8326, 15.8756,  
19.5587

221.6416,  
228.6067, 262.0408

■ 9.4959, 9.4362,  
11.8938

267.7384,  
276.4881, 315.9341

■ 5.1257, 5.0268,  
6.5497

319.8207,

■ 2.3567, 2.2630,

330.6278, 376.7521

3.1080

378.2537,  
391.4103, 444.9135

■ 0.8234, 0.7540,  
1.1500

■ 0.0000, 0.0000,  
0.0000

■ 68.1521, 69.6215,  
81.7978

■ 68.1521, 69.6215,  
81.7978

■ 60.3339, 57.6316,  
79.8966

■ 76.8921, 83.2705,  
83.9727

■ 53.3972, 47.2263,  
78.2538

■ 84.8968, 95.2651,  
85.8660

■ 47.3078, 38.3383,  
76.8592

■ 87.7274, 96.7244,  
85.9985

■ 42.0266, 30.8922,  
75.7003

■ 90.6858, 98.2495,  
86.1369

■ 37.5111, 24.8058,  
74.7635

■ 90.7277, 98.2711,  
86.1389

■ 33.7146, 19.9887,  
74.0338

■ 30.5847, 16.3388,  
73.4943

■ 28.0608, 13.7379,  
73.1253

■ 26.0691, 12.0414,  
72.9028

# Harmonies

## Analogous

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



66.8528, 69.6215, 83.9451



68.1521, 69.6215, 81.7978



68.9272, 69.6215, 78.0804

# Triad

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



68.1521, 69.6215, 81.7978



66.9626, 69.6215, 68.2887



63.4651, 69.6215, 77.7624

# Complementary

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



68.1521, 69.6215, 81.7978



68.6782, 74.3610, 75.0270

# 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.



63.4935, 69.6215, 73.5761



68.1521, 69.6215, 81.7978



65.4981, 69.6215, 68.2107

# Square

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



68.1521, 69.6215, 81.7978



68.2335, 69.6215, 70.3313



64.2329, 69.6215, 70.1141



64.1547, 69.6215, 81.5576



# Rectangle

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



68.1521, 69.6215, 81.7978



69.0353, 69.6215, 75.2625



64.2329, 69.6215, 70.1141



63.3913, 69.6215, 76.3521

# Sweetspot

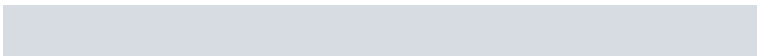
The Sweet Spot groups the original color and five complimentary colors.



68.1541, 69.6245, 81.7993



93.9014, 98.2083, 108.6147



67.0948, 70.6214, 82.0476



20.1109, 21.0395, 23.2510



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.



68.1541, 69.6245, 81.7993



88.3438, 89.5833, 107.2428



69.1936, 70.1835, 80.8021



14.2700, 14.4177, 17.4185



14.5067, 6.5738, 41.5526



1.1027, 0.5057, 2.8847



# Inverse Universe

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



68.4532, 69.8873, 76.9033



88.8339, 90.0125, 99.2911



67.6784, 73.8237, 75.9682



14.3573, 14.4941, 16.0069



18.8187, 9.5945, 5.7113

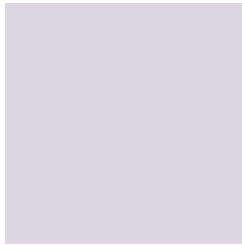


1.3464, 0.6818, 0.6169



# Previews

## White Background



This preview shows how the XYZ color 68.1521, 69.6215, 81.7978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

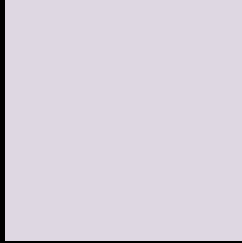
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.1521, 69.6215, 81.7978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

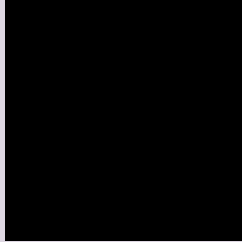
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.1521, 69.6215, 81.7978

## Background



This preview shows how black text looks on a background with the XYZ color 68.1521, 69.6215, 81.7978.



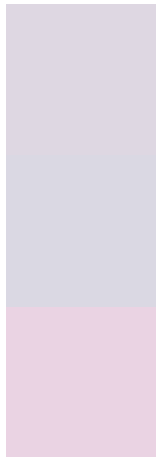
This preview shows how white text looks on a background with the XYZ color 68.1521, 69.6215,



# 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

68.1521, 69.6215, 81.7978

### Protanopia

67.3344, 69.5632, 82.5512

### Deuteranopia

71.0911, 69.6270, 82.3655



## Tritanopia

68.9018, 69.5506, 85.3944

# Trichromacy



## Original Color

68.1521, 69.6215, 81.7978

## Protanomaly

67.6344, 69.7179, 82.5652

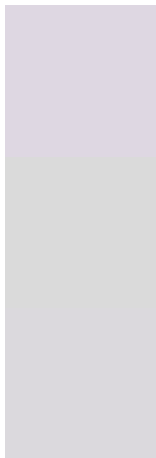
## Deuteranomaly

70.0417, 69.4560, 82.3878

## Tritanomaly

68.6208, 69.4383, 83.9150

# Monochromacy



## Original Color

68.1521, 69.6215, 81.7978

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.0774, 69.9062, 78.3645

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1521, 69.6215, 81.7978 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(222, 215, 226) looks like.

```
.text, #text, p{  
    color:rgb(222, 215, 226)  
}
```

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(222, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 215, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1521, 69.6215, 81.7978 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(222, 215, 226) }
```



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

```
.border{ border-color:rgb(222, 215, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 215, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 215, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 215, 226);  
box-shadow:4px 4px 4px 4px rgb(222, 215,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1521, 69.6215, 81.7978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 215, 226) }
```

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

```
.background{ background-color: rgb(222,  
215, 226) }
```

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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