

# Converting Colors

XYZ(66.7823, 69.0307, 80.6996)

Have a look what the booklet for  
XYZ(66.7823, 69.0307, 80.6996)  
contains.

<b>XYZ(66.8045, 68.9425, 81.0204)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(66.8045, 68.9425,  
81.0204)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAD7E1
RGB	218, 215, 225
RGB Percent	85%, 84%, 88%
CMY	0.1451, 0.1568, 0.1176
CMYK	0.03, 0.04, 0.00, 0.12
HSL	258°, 14%, 86%
HSV	258°, 4%, 88%
XYZ	66.8045, 68.9425, 81.0204
YIQ	217.0370, -1.4220, 3.7460

# Conversions

## Conversions Part 2

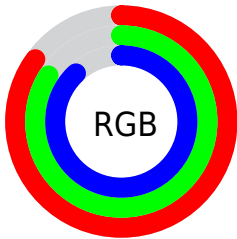
Format	Color
R <sub>Y</sub> B	218, 215, 225
Decimal	14342113
CIE Lab	86.48, 2.85, -4.55
CIE LCh	86, 5.371, 302.049
Yxy	68.9425, 0.3082, 0.3180
Android (android.graphics.Color)	4292532193 (0xFFDAD7E1)
YUV	217.0370, 3.9258, 0.8446
Hunter-Lab	83.0316, -1.6901, 0.2683

# Details

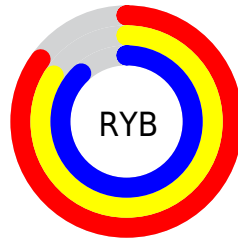
The XYZ color **66.8045, 68.9425, 81.0204** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.3176, 74.2881, 74.9790**, and the grayscale version is **65.9550, 69.3898, 75.5655**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9308, 35.8304, 43.1051** is the 20% darker color. If you saturate the color by 10%, you get **56.9755, 55.9487, 79.0314**, and if you desaturate by 10%, it is **77.8733, 83.7489, 83.2960**.

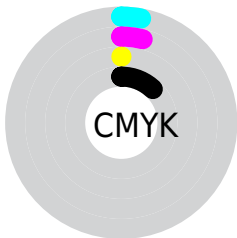
# Distribution



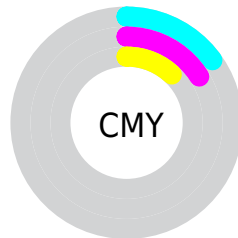
- Red (85%)
- Green (84%)
- Blue (88%)



- Red (85%)
- Yellow (84%)
- Blue (88%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (15%)
- Magenta (16%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8045, 68.9425, 81.0204 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 66.8045, 68.9425, 81.0204 by changing the saturation by 10% instead.



■ 66.8045, 68.9425,  
81.0204

■ 66.8045, 68.9425,  
81.0204

438.6920,  
456.8282, 518.1622

■ 49.1959, 50.6649,  
60.0273

113.6916,  
117.6994, 136.6237

■ 34.9901, 35.9420,  
43.0152

143.7007,  
148.9476, 172.0711

■ 23.8217, 24.3894,  
29.5656

178.5741,  
185.2880, 213.1735

■ 15.3254, 15.6227,  
19.2598

218.6771,  
227.1051, 260.3497

■ 9.1359, 9.2576,  
11.6795

264.3750,  
274.7832, 314.0181

■ 4.8877, 4.9096,  
6.4059

316.0333,

■ 2.2156, 2.1943,

328.7069, 374.5973

3.0207

374.0171,  
389.2604, 442.5058

■ 0.7510, 0.7169,  
1.1052

■ 0.0000, 0.0000,  
0.0000

■ 66.8045, 68.9425,  
81.0204

■ 66.8045, 68.9425,  
81.0204

■ 56.9755, 55.9487,  
79.0314

■ 77.8733, 83.7489,  
83.2960

■ 48.3358, 44.6884,  
77.3133

■ 88.6004, 97.1902,  
85.3250

■ 40.8405, 35.0895,  
75.8556

■ 90.5908, 98.2163,  
85.4182

■ 34.4391, 27.0715,  
74.6454

■ 29.0773, 20.5470,  
73.6686

■ 24.6959, 15.4201,  
72.9100

■ 21.2290, 11.5831,  
72.3521

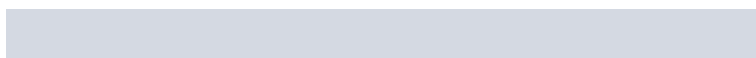
■ 18.6018, 8.9120,  
71.9749

■ 16.7255, 7.2567,  
71.7543

# Harmonies

## Analogous

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



65.6133, 68.9425, 82.1186



66.8045, 68.9425, 81.0204



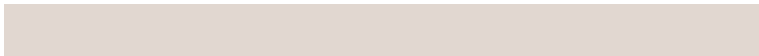
67.6622, 68.9425, 78.3216

# Triad

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



66.8045, 68.9425, 81.0204



66.6547, 68.9425, 69.1799



63.1677, 68.9425, 75.3117

# Complementary

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



66.8045, 68.9425, 81.0204



69.3176, 74.2881, 74.9790

# 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.



63.4387, 68.9425, 71.9032



66.8045, 68.9425, 81.0204



65.4424, 68.9425, 68.4305

# Square

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



66.8045, 68.9425, 81.0204



67.5749, 68.9425, 71.4920



64.2674, 68.9425, 69.4120



63.5224, 68.9425, 78.7585



# Rectangle

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



66.8045, 68.9425, 81.0204



67.9240, 68.9425, 76.0177



64.2674, 68.9425, 69.4120



63.1886, 68.9425, 74.1236

# Sweetspot

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



66.8065, 68.9454, 81.0219



93.5880, 98.0467, 108.6000



67.7828, 72.2166, 81.6018



20.0471, 21.0066, 23.2480



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.



66.8065, 68.9454, 81.0219



87.9080, 90.4791, 107.4387



68.2733, 69.7016, 81.0906



14.1572, 14.5291, 17.4459



9.2865, 3.8827, 41.3083



0.7322, 0.3147, 2.8674



# Inverse Universe

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



68.5389, 69.8854, 78.9873



90.5072, 91.8894, 104.3799



67.8581, 73.5357, 74.9106



14.6313, 14.7864, 16.8867



21.4811, 10.6594, 19.7308

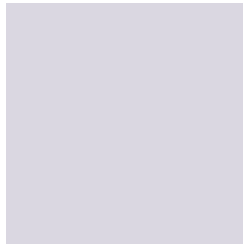


1.5279, 0.7544, 1.5728



# Previews

## White Background



This preview shows how the XYZ color 66.8045, 68.9425, 81.0204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

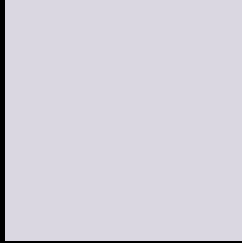
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8045, 68.9425, 81.0204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

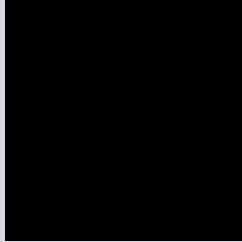
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

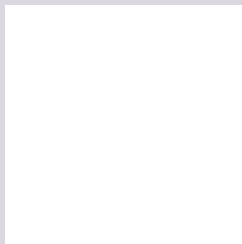
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.8045, 68.9425, 81.0204

## Background



This preview shows how black text looks on a background with the XYZ color 66.8045, 68.9425, 81.0204.



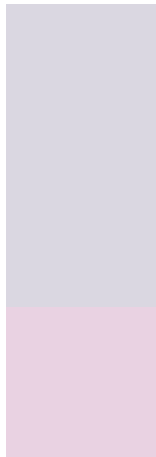
This preview shows how white text looks on a background with the XYZ color 66.8045, 68.9425,



# 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

66.8045, 68.9425, 81.0204

### Protanopia

66.8045, 68.9425, 81.0204

### Deuteranopia

70.3783, 68.9078, 81.5427



## Tritanopia

67.6838, 68.9227, 85.3374

# Trichromacy



## Original Color

66.8045, 68.9425, 81.0204

## Protanomaly

66.8045, 68.9425, 81.0204

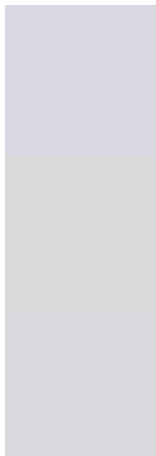
## Deuteranomaly

69.2659, 69.0719, 81.6330

## Tritanomaly

67.4028, 68.8103, 83.8580

# Monochromacy



## Original Color

66.8045, 68.9425, 81.0204

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.0894, 69.0308, 77.5511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8045, 68.9425, 81.0204 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, 215, 225) looks like.

```
.text, #text, p{  
    color:rgb(218, 215, 225)  
}
```

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, 215, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 215, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8045, 68.9425, 81.0204 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".

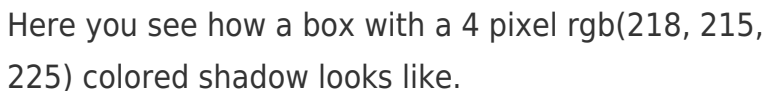
```
.border, #border, table{ border:4px solid rgb(218, 215, 225) }
```



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

```
.border{ border-color:rgb(218, 215, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 215, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 215, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 215, 225);  
box-shadow:4px 4px 4px 4px rgb(218, 215,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8045, 68.9425, 81.0204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 215, 225) }
```

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

```
.background{ background-color: rgb(218,  
215, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor