

# Converting Colors

XYZ(66.0737, 68.5091, 78.7444)

Have a look what the booklet for  
XYZ(66.0737, 68.5091, 78.7444)  
contains.

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# Color

**XYZ(66.1005, 68.6265,  
78.8696)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9D7DE
RGB	217, 215, 222
RGB Percent	85%, 84%, 87%
CMY	0.1490, 0.1568, 0.1294
CMYK	0.02, 0.03, 0.00, 0.13
HSL	257°, 10%, 86%
HSV	257°, 3%, 87%
XYZ	66.1005, 68.6265, 78.8696
YIQ	216.3960, -1.0550, 2.6010

# Conversions

## Conversions Part 2

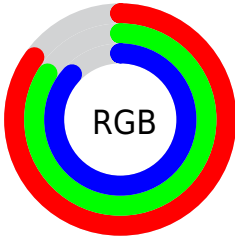
Format	Color
R <sub>Y</sub> B	217, 215, 222
Decimal	14276574
CIE Lab	86.32, 1.96, -3.20
CIE LCh	86, 3.756, 301.435
Yxy	68.6265, 0.3095, 0.3213
Android (android.graphics.Color)	4292466654 (0xFFD9D7DE)
YUV	216.3960, 2.7628, 0.5297
Hunter-Lab	82.8411, -2.5434, 1.5412

# Details

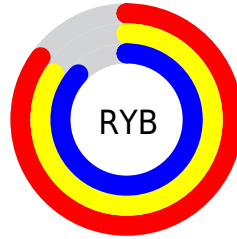
The XYZ color **66.1005, 68.6265, 78.8696** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9048, 72.3663, 74.6826**, and the grayscale version is **65.5242, 68.9365, 75.0719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.4461, 35.6130, 41.6177** is the 20% darker color. If you saturate the color by 10%, you get **56.3359, 55.7641, 76.9026**, and if you desaturate by 10%, it is **77.0895, 83.2626, 81.1165**.

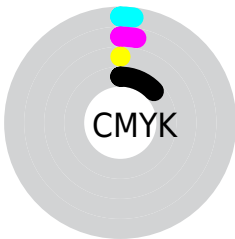
# Distribution



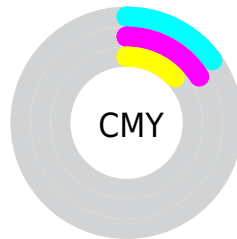
- Red (85%)
- Green (84%)
- Blue (87%)



- Red (85%)
- Yellow (84%)
- Blue (87%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (16%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1005, 68.6265, 78.8696 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 66.1005, 68.6265, 78.8696 by changing the saturation by 10% instead.



■ 66.1005, 68.6265,  
78.8696

■ 66.1005, 68.6265,  
78.8696

436.2192,  
455.7126, 510.7210

■ 48.6220, 50.4076,  
58.2679

112.6875,  
117.2479, 133.5723

■ 34.5330, 35.7374,  
41.6080

142.5267,  
148.4193, 168.5103

■ 23.4682, 24.2314,  
28.4712

177.2168,  
184.6769, 209.0643

■ 15.0622, 15.5054,  
18.4390

217.1233,  
226.4051, 255.6526

■ 8.9496, 9.1748,  
11.0929

262.6114,  
273.9884, 308.6940

■ 4.7652, 4.8554,  
6.0144

314.0465,

■ 2.1435, 2.1627,

327.8112, 368.6068

2.7849

371.7940,  
388.2577, 435.8096

■ 0.7127, 0.6995,  
0.9859

■ 0.0000, 0.0000,  
0.0000

■ 66.1005, 68.6265,  
78.8696

■ 66.1005, 68.6265,  
78.8696

■ 56.3359, 55.7641,  
76.9026

■ 77.0895, 83.2626,  
81.1165

■ 47.7463, 44.5987,  
75.2002

■ 87.9166, 96.8846,  
83.1752

■ 40.2877, 35.0609,  
73.7523

■ 90.1850, 98.0540,  
83.2813

■ 33.9110, 27.0730,  
72.5466

■ 28.5631, 20.5510,  
71.5696

■ 24.1865, 15.4027,  
70.8065

■ 20.7173, 11.5251,  
70.2409

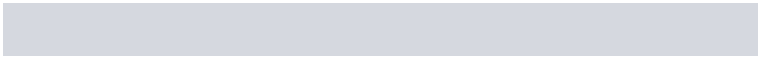
■ 18.0832, 8.8000,  
69.8537

■ 16.1991, 7.0857,  
69.6222

# Harmonies

## Analogous

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



65.2692, 68.6265, 79.5965



66.1005, 68.6265, 78.8696



66.7022, 68.6265, 77.0282

# Triad

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



66.1005, 68.6265, 78.8696



66.0276, 68.6265, 70.6084



63.5755, 68.6265, 74.8422

# Complementary

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



66.1005, 68.6265, 78.8696



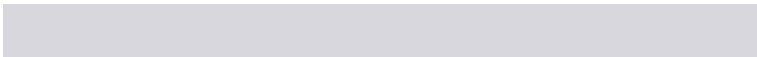
67.9048, 72.3663, 74.6826

# 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.



63.7746, 68.6265, 72.4635



66.1005, 68.6265, 78.8696



65.1857, 68.6265, 70.0518

# Square

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



66.1005, 68.6265, 78.8696



66.6598, 68.6265, 72.2608



64.3621, 68.6265, 70.7236



63.8157, 68.6265, 77.2397



# Rectangle

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



66.1005, 68.6265, 78.8696



66.8894, 68.6265, 75.4357



64.3621, 68.6265, 70.7236



63.5932, 68.6265, 74.0140

# Sweetspot

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



66.1025, 68.6294, 78.8711



93.5746, 98.0398, 108.5994



66.8091, 70.9183, 79.2757



20.0444, 21.0052, 23.2479



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.



66.1025, 68.6294, 78.8711



89.2508, 92.3074, 107.7208



67.1492, 69.1690, 78.9201



14.3584, 14.8045, 17.4885



9.1571, 3.8160, 41.3023



0.7212, 0.3091, 2.8669



# Inverse Universe

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



67.3453, 69.3009, 77.5406



91.4168, 93.4778, 105.3947



66.8612, 71.8283, 74.6337



14.7698, 15.0269, 17.0455



21.6426, 10.7240, 20.5815

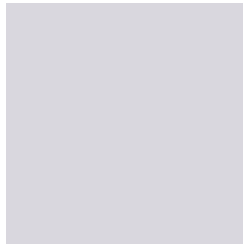


1.5381, 0.7585, 1.6264



# Previews

## White Background



This preview shows how the XYZ color 66.1005, 68.6265, 78.8696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

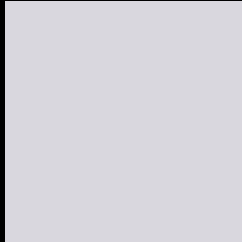
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1005, 68.6265, 78.8696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

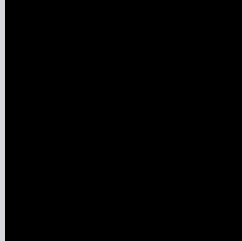
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

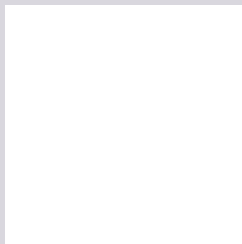
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.1005, 68.6265, 78.8696

## Background



This preview shows how black text looks on a background with the XYZ color 66.1005, 68.6265, 78.8696.



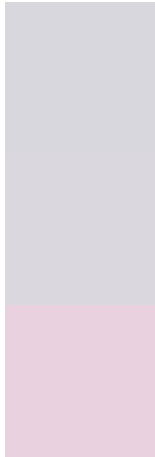
This preview shows how white text looks on a background with the XYZ color 66.1005, 68.6265,



# 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

66.1005, 68.6265, 78.8696

### Protanopia

66.3987, 68.7802, 78.8836

### Deuteranopia

69.7240, 68.2523, 79.3112



## Tritanopia

67.3838, 68.7681, 85.3234

# Trichromacy



## Original Color

66.1005, 68.6265, 78.8696

## Protanomaly

66.3987, 68.7802, 78.8836

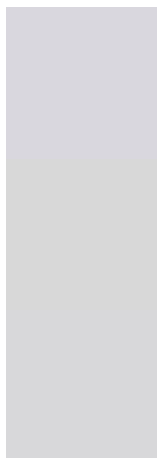
## Deuteranomaly

68.2921, 68.2471, 79.3857

## Tritanomaly

66.9636, 68.6000, 83.1106

# Monochromacy



## Original Color

66.1005, 68.6265, 78.8696

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

65.5297, 68.7726, 76.1503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1005, 68.6265, 78.8696 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(217, 215, 222) looks like.

```
.text, #text, p{  
    color:rgb(217, 215, 222)  
}
```

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(217, 215, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 215, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1005, 68.6265, 78.8696 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".

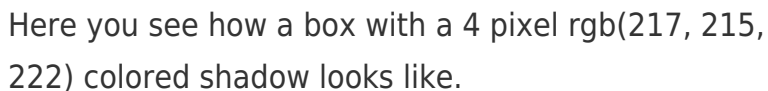
```
.border, #border, table{ border:4px solid rgb(217, 215, 222) }
```



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

```
.border{ border-color:rgb(217, 215, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 215, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 215, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 215, 222);  
box-shadow:4px 4px 4px 4px rgb(217, 215,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1005, 68.6265, 78.8696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 215, 222) }
```

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

```
.background{ background-color: rgb(217,  
215, 222) }
```

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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