

# Converting Colors

XYZ(65.3441, 67.1122, 78.6156)

Have a look what the booklet for  
XYZ(65.3441, 67.1122, 78.6156)  
contains.

<b>XYZ(65.3436, 67.1126, 78.6173)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(65.3436, 67.1126,  
78.6173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9D4DE
RGB	217, 212, 222
RGB Percent	85%, 83%, 87%
CMY	0.1490, 0.1686, 0.1294
CMYK	0.02, 0.05, 0.00, 0.13
HSL	270°, 13%, 85%
HSV	270°, 5%, 87%
XYZ	65.3436, 67.1126, 78.6173
YIQ	214.6350, -0.2300, 4.1700

# Conversions

## Conversions Part 2

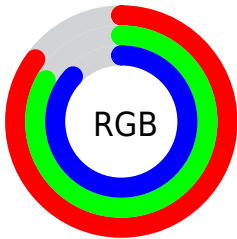
Format	Color
R <sub>Y</sub> B	217, 212, 222
Decimal	14275806
CIE Lab	85.56, 3.53, -4.32
CIE LCh	86, 5.578, 309.243
Yxy	67.1126, 0.3096, 0.3180
Android (android.graphics.Color)	4292465886 (0xFFD9D4DE)
YUV	214.6350, 3.6309, 2.0741
Hunter-Lab	81.9223, -0.9872, 0.4475

# Details

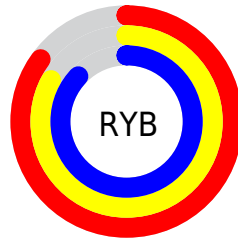
The XYZ color **65.3436, 67.1126, 78.6173** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.6227, 71.7495, 72.6283**, and the grayscale version is **64.3226, 67.6723, 73.6952**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9323, 34.5853, 41.4464** is the 20% darker color. If you saturate the color by 10%, you get **56.9816, 55.1237, 76.7449**, and if you desaturate by 10%, it is **74.6946, 80.7478, 80.7573**.

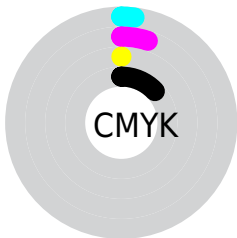
# Distribution



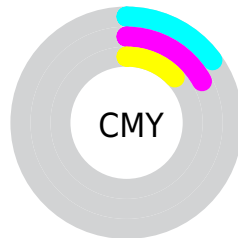
- Red (85%)
- Green (83%)
- Blue (87%)



- Red (85%)
- Yellow (83%)
- Blue (87%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (17%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3436, 67.1126, 78.6173 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 65.3436, 67.1126, 78.6173 by changing the saturation by 10% instead.



■ 65.3436, 67.1126,  
78.6173

■ 65.3436, 67.1126,  
78.6173

433.5514,  
450.3455, 509.8441

■ 48.0055, 49.1761,  
58.0618

111.6067,  
115.0817, 133.2137

■ 34.0425, 34.7592,  
41.4433

141.2623,  
145.8832, 168.0917

■ 23.0893, 23.4775,  
28.3433

175.7545,  
181.7418, 208.5809

■ 14.7805, 14.9465,  
18.3433

215.4487,  
223.0419, 255.0998

■ 8.7508, 8.7818,  
11.0248

260.7101,  
270.1679, 308.0671

■ 4.6348, 4.5991,  
5.9691

311.9041,

■ 2.0672, 2.0140,

323.5043, 367.9012

2.7578

369.3961,  
383.4353, 435.0207

■ 0.6713, 0.6156,  
0.9723

■ 0.0000, 0.0000,  
0.0000

■ 65.3436, 67.1126,  
78.6173

■ 65.3436, 67.1126,  
78.6173

■ 56.9816, 55.1237,  
76.7449

■ 74.6946, 80.7478,  
80.7573

■ 49.5674, 44.7083,  
75.1253

■ 84.6122, 95.1811,  
83.0205

■ 43.0656, 35.8009,  
73.7487

■ 88.4814, 97.1757,  
83.2016

■ 37.4359, 28.3280,  
72.6030

■ 90.1850, 98.0540,  
83.2813

■ 32.6348, 22.2097,  
71.6751

■ 28.6147, 17.3579,  
70.9505

■ 25.3224, 13.6741,  
70.4130

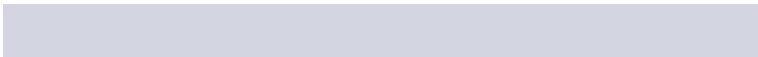
■ 22.6968, 11.0439,  
70.0437

■ 20.6645, 9.3287,  
69.8197

# Harmonies

## Analogous

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



64.1810, 67.1126, 80.1861



65.3436, 67.1126, 78.6173



66.0960, 67.1126, 75.5772

# Triad

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



65.3436, 67.1126, 78.6173



64.6566, 67.1126, 66.7365



61.4118, 67.1126, 74.2017

# Complementary

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



65.3436, 67.1126, 78.6173



66.6227, 71.7495, 72.6283

# 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.



61.5354, 67.1126, 70.6271



65.3436, 67.1126, 78.6173



63.3976, 67.1126, 66.3958

# Square

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



65.3436, 67.1126, 78.6173



65.6957, 67.1126, 68.7447



62.2583, 67.1126, 67.7980



61.9186, 67.1126, 77.5818



# Rectangle

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



65.3436, 67.1126, 78.6173



66.2580, 67.1126, 73.1665



62.2583, 67.1126, 67.7980



61.3812, 67.1126, 72.9820

# Sweetspot

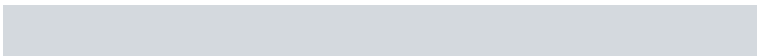
The Sweet Spot groups the original color and five complimentary colors.



65.3455, 67.1155, 78.6188



93.7742, 98.1427, 108.6087



65.1945, 68.9851, 78.9876



20.0850, 21.0262, 23.2498



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.



65.3455, 67.1155, 78.6188



88.8093, 90.9437, 107.4809



66.8034, 67.8670, 78.6870



14.3213, 14.6137, 17.4536



11.8511, 5.2048, 41.4284

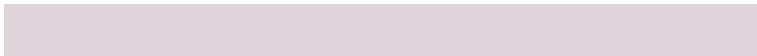


0.9247, 0.4140, 2.8764



# Inverse Universe

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



66.1944, 67.6293, 75.2139



90.1073, 91.7295, 102.2742



65.2069, 71.0196, 72.5621



14.5584, 14.7572, 16.5026



19.6547, 9.9289, 10.1136

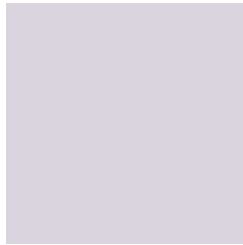


1.4076, 0.7063, 0.9390



# Previews

## White Background



This preview shows how the XYZ color 65.3436, 67.1126, 78.6173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

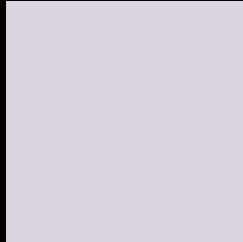
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3436, 67.1126, 78.6173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

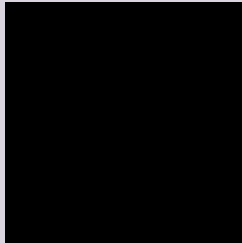
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

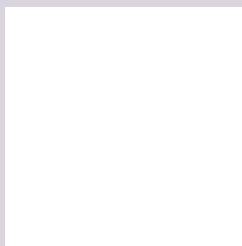
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.3436, 67.1126, 78.6173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.3436, 67.1126, 78.6173.



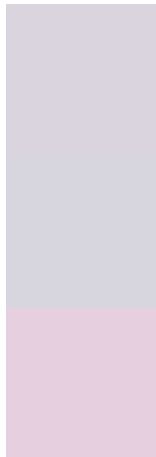
This preview shows how white text looks on a background with the XYZ color 65.3436, 67.1126,



# 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

65.3436, 67.1126, 78.6173

### Protanopia

65.0034, 67.3095, 78.6732

### Deuteranopia

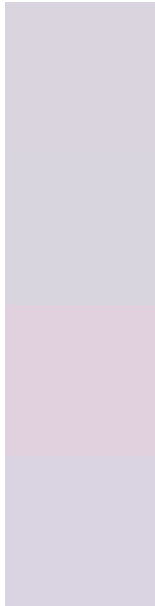
68.2652, 66.7764, 79.1032



## Tritanopia

66.2113, 67.0954, 82.8598

# Trichromacy



## Original Color

65.3436, 67.1126, 78.6173

## Protanomaly

65.2980, 67.4614, 78.6870

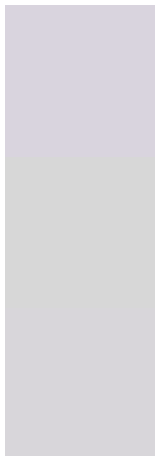
## Deuteranomaly

67.1711, 66.9362, 79.1917

## Tritanomaly

65.9352, 66.9849, 81.4057

# Monochromacy



## Original Color

65.3436, 67.1126, 78.6173

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.0204, 67.7540, 75.9806

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3436, 67.1126, 78.6173 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, 212, 222) looks like.

```
.text, #text, p{  
    color:rgb(217, 212, 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, 212, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 212, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3436, 67.1126, 78.6173 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, 212, 222) }
```



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

```
.border{ border-color:rgb(217, 212, 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, 212, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 212, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 212, 222);  
box-shadow:4px 4px 4px 4px rgb(217, 212,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3436, 67.1126, 78.6173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 212, 222) }
```

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

```
.background{ background-color: rgb(217,  
212, 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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