

# Converting Colors

XYZ(65.8903, 66.1261, 78.2927)

Have a look what the booklet for  
XYZ(65.8903, 66.1261, 78.2927)  
contains.

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# Color

**XYZ(66.1095, 66.4045,  
78.4402)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | DED1DE                    |
| RGB         | 222, 209, 222             |
| RGB Percent | 87%, 82%, 87%             |
| CMY         | 0.1294, 0.1804, 0.1294    |
| CMYK        | 0.00, 0.06, 0.00, 0.13    |
| HSL         | 300°, 16%, 85%            |
| HSV         | 300°, 6%, 87%             |
| XYZ         | 66.1095, 66.4045, 78.4402 |
| YIQ         | 214.3690, 3.5750, 6.7990  |

# Conversions

## Conversions Part 2

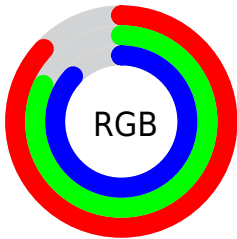
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| <b>R<sub>YB</sub></b>               | 222, 209, 222               |
| Decimal                             | 14602718                    |
| CIE Lab                             | 85.20, 6.79, -4.80          |
| CIE LCh                             | 85, 8.318, 324.730          |
| Yxy                                 | 66.4045, 0.3134,<br>0.3148  |
| Android<br>(android.graphics.Color) | 4292792798<br>(0xFFDED1DE)  |
| YUV                                 | 214.3690, 3.7621,<br>6.6924 |
| Hunter-Lab                          | 81.4890, 2.2059,<br>-0.0295 |

# Details

The XYZ color **66.1095, 66.4045, 78.4402** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.9270, 70.4031, 70.5450**, and the grayscale version is **64.1405, 67.4808, 73.4865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6327, 34.4482, 41.3830** is the 20% darker color. If you saturate the color by 10%, you get **61.0386, 56.2618, 76.7506**, and if you desaturate by 10%, it is **71.9431, 78.0708, 80.3857**.

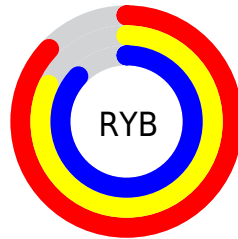
# Distribution



Red (87%)

Green (82%)

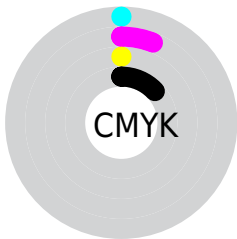
Blue (87%)



Red (87%)

Yellow (82%)

Blue (87%)

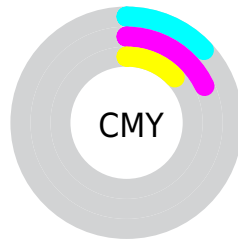


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (13%)



Cyan (13%)

Magenta (18%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1095, 66.4045, 78.4402 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 66.1095, 66.4045, 78.4402 by changing the saturation by 10% instead.



66.1095, 66.4045,  
78.4402

66.1095, 66.4045,  
78.4402

436.2509,  
447.8221, 509.2280

48.6293, 48.6008,  
57.9171

112.7003,  
114.0667, 132.9620

34.5389, 34.3029,  
41.3277

142.5417,  
144.6940, 167.7977

23.4727, 23.1264,  
28.2536

177.2342,  
180.3647, 208.2414

15.0656, 14.6869,  
18.2762

217.1432,  
221.4631, 254.7116

8.9520, 8.5999,  
10.9770

262.6340,  
268.3737, 307.6268

4.7668, 4.4812,  
5.9374

314.0719,

2.1444, 1.9462,

321.4808, 367.4056

2.7389

371.8225,  
381.1688, 434.4665

■ 0.7132, 0.5759,  
0.9629

■ 0.0000, 0.0000,  
0.0000

■ 66.1095, 66.4045,  
78.4402

■ 66.1095, 66.4045,  
78.4402

■ 61.0386, 56.2618,  
76.7506

■ 71.9431, 78.0708,  
80.3857

■ 56.6936, 47.5718,  
75.3021


■ 78.5632, 91.3108,  
82.5925


■ 53.0429, 40.2705,  
74.0851


■ 79.0697, 92.3239,  
82.7615


■ 50.0507, 34.2860,  
73.0875


■ 79.0698, 92.3239,  
82.7617


 47.6776, 29.5400,  
72.2963


 79.0698, 92.3239,  
82.7618


 45.8805, 25.9457,  
71.6972


 79.0698, 92.3239,  
82.7619


 44.6103, 23.4054,  
71.2736

 79.0698, 92.3239,  
82.7621

 43.8100, 21.8050,  
71.0067

 79.0699, 92.3239,  
82.7622

 43.4093, 21.0035,  
70.8730

 79.0699, 92.3239,  
82.7624

# Harmonies

## Analogous

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



64.6380, 66.4045, 82.1082



66.1095, 66.4045, 78.4402



66.7796, 66.4045, 73.2573

# Triad

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



66.1095, 66.4045, 78.4402



63.4477, 66.4045, 62.4873



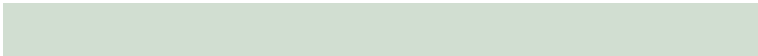
59.8924, 66.4045, 76.7159

# Complementary

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



66.1095, 66.4045, 78.4402



63.9270, 70.4031, 70.5450

# 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.



59.5879, 66.4045, 71.3575



66.1095, 66.4045, 78.4402



61.6170, 66.4045, 63.3117

# Square

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



66.1095, 66.4045, 78.4402



65.2235, 66.4045, 64.1850



60.2133, 66.4045, 66.4950



61.0534, 66.4045, 81.0786



# Rectangle

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



66.1095, 66.4045, 78.4402



66.6723, 66.4045, 69.7058



60.2133, 66.4045, 66.4950



59.6875, 66.4045, 74.9644

# Sweetspot

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



66.1114, 66.4074, 78.4416



93.4445, 96.7891, 108.3648



62.2828, 64.4336, 78.2626



20.0178, 20.7505, 23.2001



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.



66.1114, 66.4074, 78.4416



89.6176, 89.1353, 107.0891



65.2570, 66.0656, 73.9422



14.5159, 14.3773, 17.3977



25.7246, 12.3568, 42.0768



1.7831, 0.8565, 2.9165



# Inverse Universe

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



66.1114, 66.4074, 78.4416



89.6176, 89.1353, 107.0891



64.7482, 70.7316, 74.8696



14.5159, 14.3773, 17.3977



25.7246, 12.3568, 42.0768

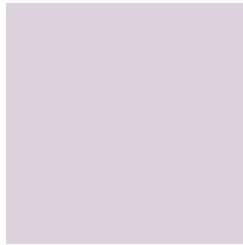


1.7831, 0.8565, 2.9165



# Previews

## White Background



This preview shows how the XYZ color 66.1095, 66.4045, 78.4402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

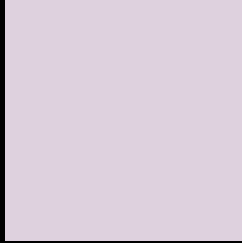
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1095, 66.4045, 78.4402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

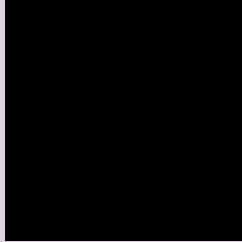
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

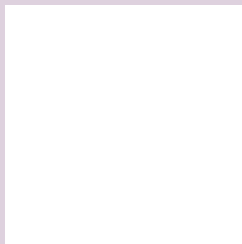
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.1095, 66.4045, 78.4402

## Background



This preview shows how black text looks on a background with the XYZ color 66.1095, 66.4045, 78.4402.



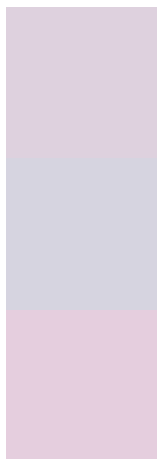
This preview shows how white text looks on a background with the XYZ color 66.1095, 66.4045,



# 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

66.1095, 66.4045, 78.4402

### Protanopia

64.7296, 66.7649, 79.9963

### Deuteranopia

67.5692, 66.0746, 78.2996



## Tritanopia

66.5153, 66.5668, 80.5771

# Trichromacy



## Original Color

66.1095, 66.4045, 78.4402

## Protanomaly

65.2288, 66.6680, 79.2423

## Deuteranomaly

66.8617, 66.0683, 78.3357

## Tritanomaly

66.3792, 66.5123, 79.8606

# Monochromacy



## Original Color

66.1095, 66.4045, 78.4402

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.6831, 66.8484, 75.1395

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1095, 66.4045, 78.4402 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, 209, 222) looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 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(222, 209, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1095, 66.4045, 78.4402 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, 209, 222) }
```



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

```
.border{ border-color:rgb(222, 209, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 222);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1095, 66.4045, 78.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 222) }
```

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

```
.background{ background-color: rgb(222,  
209, 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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