

# Converting Colors

XYZ(67.4925, 67.9263, 80.4564)

Have a look what the booklet for  
XYZ(67.4925, 67.9263, 80.4564)  
contains.

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# Color

**XYZ(67.6253, 67.8721,  
80.7705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0D3E1
RGB	224, 211, 225
RGB Percent	88%, 83%, 88%
CMY	0.1216, 0.1725, 0.1176
CMYK	0.00, 0.06, 0.00, 0.12
HSL	296°, 19%, 85%
HSV	296°, 6%, 88%
XYZ	67.6253, 67.8721, 80.7705
YIQ	216.4830, 3.2540, 7.1100

# Conversions

## Conversions Part 2

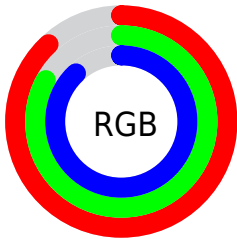
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 211, 225
Decimal	14734305
CIE Lab	85.94, 6.96, -5.29
CIE LCh	86, 8.741, 322.793
Yxy	67.8721, 0.3127, 0.3138
Android (android.graphics.Color)	4292924385 (0xFFE0D3E1)
YUV	216.4830, 4.1989, 6.5924
Hunter-Lab	82.3845, 2.3487, -0.4593

# Details

The XYZ color **67.6253, 67.8721, 80.7705** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.8371, 72.5524, 72.1656**, and the grayscale version is **65.5720, 68.9869, 75.1267**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5064, 35.1142, 42.9365** is the 20% darker color. If you saturate the color by 10%, you get **61.9270, 57.2108, 79.0140**, and if you desaturate by 10%, it is **74.1146, 80.1064, 82.7909**.

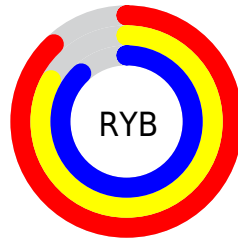
# Distribution



Red (88%)

Green (83%)

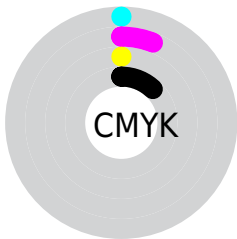
Blue (88%)



Red (88%)

Yellow (83%)

Blue (88%)

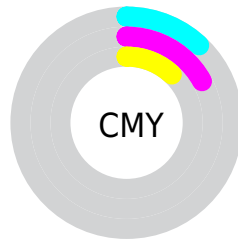


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (12%)



Cyan (12%)

Magenta (17%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6253, 67.8721, 80.7705 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 67.6253, 67.8721, 80.7705 by changing the saturation by 10% instead.



67.6253, 67.8721,  
80.7705

67.6253, 67.8721,  
80.7705

441.5649,  
453.0427, 517.3008

49.8655, 49.7937,  
59.8227

114.8608,  
116.1692, 136.2696

35.5239, 35.2495,  
42.8514

145.0672,  
147.1566, 171.6581

24.2351, 23.8551,  
29.4380

180.1533,  
183.2158, 212.6971

15.6338, 15.2262,  
19.1640

220.4843,  
224.7312, 259.8054

9.3546, 8.9783,  
11.6108

266.4256,  
272.0872, 313.4013

5.0321, 4.7270,  
6.3600

318.3425,

2.3011, 2.0880,

325.6682, 373.9035

2.9929

376.6005,  
385.8586, 441.7305

■ 0.7952, 0.6579,  
1.0910

■ 0.0000, 0.0000,  
0.0000

■ 67.6253, 67.8721,  
80.7705

■ 67.6253, 67.8721,  
80.7705

■ 61.9270, 57.2108,  
79.0140

■ 74.1146, 80.1064,  
82.7909

■ 56.9816, 48.0492,  
77.5063

■ 81.0977, 93.3225,  
84.9739

■ 52.7563, 40.3209,  
76.2373

■ 81.6079, 93.5855,  
84.9977

■ 49.2139, 33.9515,  
75.1946

■ 82.1228, 93.8509,  
85.0218

46.3137, 28.8597,  
74.3646

82.6425, 94.1188,  
85.0461

44.0108, 24.9554,  
73.7324

83.1669, 94.3892,  
85.0707

42.2543, 22.1371,  
73.2810

83.6961, 94.6620,  
85.0955

40.9848, 20.2860,  
72.9906

84.2301, 94.9373,  
85.1205

40.1283, 19.2539,  
72.8365

84.7690, 95.2151,  
85.1457

# Harmonies

## Analogous

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



66.0133, 67.8721, 84.5384



67.6253, 67.8721, 80.7705



68.4055, 67.8721, 75.2930

# Triad

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



67.6253, 67.8721, 80.7705



64.9946, 67.8721, 63.4940



61.0261, 67.8721, 78.2551

# Complementary

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



67.6253, 67.8721, 80.7705



65.8371, 72.5524, 72.1656

# 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.



60.7660, 67.8721, 72.5266



67.6253, 67.8721, 80.7705



63.0305, 67.8721, 64.1959

# Square

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



67.6253, 67.8721, 80.7705



66.8664, 67.8721, 65.4634



61.4926, 67.8721, 67.4328



62.2104, 67.8721, 83.0346



# Rectangle

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



67.6253, 67.8721, 80.7705



68.3378, 67.8721, 71.4867



61.4926, 67.8721, 67.4328



60.8287, 67.8721, 76.3694

# Sweetspot

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



67.6273, 67.8750, 80.7720



93.3106, 96.7200, 108.3586



64.0427, 66.4589, 80.6876



19.9905, 20.7364, 23.1989



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.



67.6273, 67.8750, 80.7720



89.1499, 88.8942, 107.0673



67.1559, 67.7224, 76.6673



14.4344, 14.3353, 17.3939



23.0132, 10.9591, 41.9507



1.6245, 0.7748, 2.9092



# Inverse Universe

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



66.2317, 67.3527, 71.8006



87.0629, 88.1134, 93.6359



66.2943, 72.7021, 76.0734



14.0720, 14.1997, 15.0600



17.9631, 9.2522, 1.2056

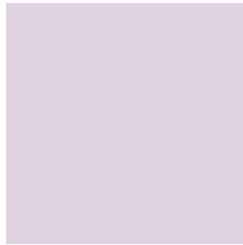


1.2592, 0.6470, 0.1579



# Previews

## White Background



This preview shows how the XYZ color 67.6253, 67.8721, 80.7705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

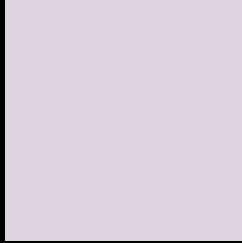
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.6253, 67.8721, 80.7705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

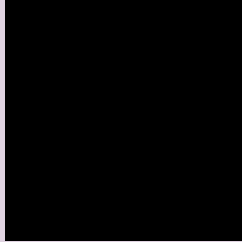
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.6253, 67.8721, 80.7705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.6253, 67.8721, 80.7705.



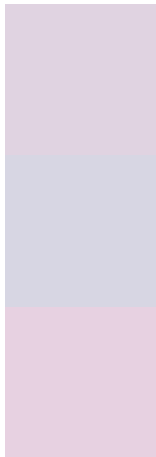
This preview shows how white text looks on a background with the XYZ color 67.6253, 67.8721,



# 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

67.6253, 67.8721, 80.7705

### Protanopia

65.9360, 68.0863, 82.3398

### Deuteranopia

69.3461, 68.0261, 80.7096



## Tritanopia

67.8999, 67.9819, 82.2162

# Trichromacy



## Original Color

67.6253, 67.8721, 80.7705

## Protanomaly

66.4352, 67.9849, 81.5724

## Deuteranomaly

68.6321, 68.0234, 80.7467

## Tritanomaly

67.7622, 67.9268, 81.4912

# Monochromacy



## Original Color

67.6253, 67.8721, 80.7705

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

66.0462, 68.2677, 76.7138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.6253, 67.8721, 80.7705 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(224, 211, 225) looks like.

```
.text, #text, p{  
    color:rgb(224, 211, 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(224, 211, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 211, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 67.6253, 67.8721, 80.7705 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(224, 211, 225) }
```



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

```
.border{ border-color:rgb(224, 211, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 211, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 211, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 211, 225);  
box-shadow:4px 4px 4px 4px rgb(224, 211,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.6253, 67.8721, 80.7705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 211, 225) }
```

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

```
.background{ background-color: rgb(224,  
211, 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](#).

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