

Converting Colors

XYZ(65.7850, 66.8013, 80.0933)

Have a look what the booklet for
XYZ(65.7850, 66.8013, 80.0933)
contains.

XYZ(65.9622, 67.0304, 79.9826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.9622, 67.0304,
79.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	DBD3E0
RGB	219, 211, 224
RGB Percent	86%, 83%, 88%
CMY	0.1412, 0.1725, 0.1216
CMYK	0.02, 0.06, 0.00, 0.12
HSL	277°, 17%, 85%
HSV	277°, 6%, 88%
XYZ	65.9622, 67.0304, 79.9826
YIQ	214.8740, 0.5950, 5.7390

Conversions

Conversions Part 2

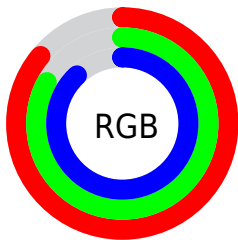
Format	Color
R _Y B	219, 211, 224
Decimal	14406624
CIE Lab	85.52, 5.10, -5.42
CIE LCh	86, 7.442, 313.211
Yxy	67.0304, 0.3097, 0.3147
Android (android.graphics.Color)	4292596704 (0xFFDBD3E0)
YUV	214.8740, 4.4991, 3.6185
Hunter-Lab	81.8721, 0.5366, -0.6112

Details

The XYZ color **65.9622, 67.0304, 79.9826** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7350, 72.6152, 72.1302**, and the grayscale version is **64.4780, 67.8358, 73.8732**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5282, 34.8710, 42.4471** is the 20% darker color. If you saturate the color by 10%, you get **58.2552, 55.3654, 78.1382**, and if you desaturate by 10%, it is **74.5828, 80.3212, 82.0946**.

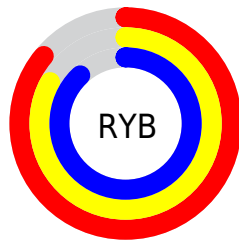
Distribution



Red (86%)

Green (83%)

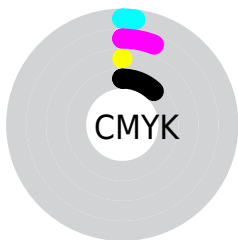
Blue (88%)



Red (86%)

Yellow (83%)

Blue (88%)

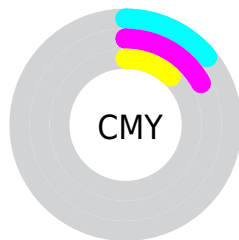


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (12%)



Cyan (14%)

Magenta (17%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9622, 67.0304, 79.9826 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 65.9622, 67.0304, 79.9826 by changing the saturation by 10% instead.

■ 65.9622, 67.0304,
79.9826

■ 65.9622, 67.0304,
79.9826

435.7325,
450.0530, 514.5794

■ 48.5093, 49.1093,
59.1780

112.4901,
114.9640, 135.1524

■ 34.4433, 34.7062,
42.3354

142.2958,
145.7453, 170.3547

■ 23.3989, 23.4367,
29.0365

176.9499,
181.5821, 211.1933

■ 15.0106, 14.9163,
18.8626

216.8176,
222.8588, 258.0867

■ 8.9132, 8.7606,
11.3952

262.2644,
269.9599, 311.4535

■ 4.7413, 4.5854,
6.2158

313.6555,

■ 2.1295, 2.0061,

323.2697, 371.7121

2.9059

371.3564,
383.1726, 439.2813

■ 0.7052, 0.6110,
1.0468

■ 0.0000, 0.0000,
0.0000

■ 65.9622, 67.0304,
79.9826

■ 65.9622, 67.0304,
79.9826

■ 58.2552, 55.3654,
78.1382

■ 74.5828, 80.3212,
82.0946

■ 51.4220, 45.2528,
76.5465

■ 83.8856, 94.7754,
84.3943

■ 45.4285, 36.6262,
75.1973

■ 86.8203, 96.2883,
84.5316

■ 40.2358, 29.4111,
74.0783

■ 89.8951, 97.8734,
84.6755

■ 35.8017, 23.5263,
73.1761

■ 90.4547, 98.1619,
84.7017

■ 32.0797, 18.8820,
72.4758

■ 29.0175, 15.3772,
71.9607

■ 26.5545, 12.8940,
71.6112

■ 24.6165, 11.2875,
71.4033

Harmonies

Analogous

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



64.4562, 67.0304, 82.4287



65.9622, 67.0304, 79.9826



66.8736, 67.0304, 75.7070

Triad

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



65.9622, 67.0304, 79.9826



64.6540, 67.0304, 64.4294



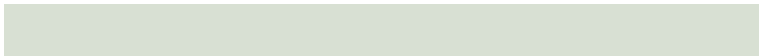
60.5977, 67.0304, 75.1332

Complementary

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



65.9622, 67.0304, 79.9826



66.7350, 72.6152, 72.1302

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.



60.6486, 67.0304, 70.3285



65.9622, 67.0304, 79.9826



62.9703, 67.0304, 64.2911

Square

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



65.9622, 67.0304, 79.9826



66.1092, 67.0304, 66.7940



61.5104, 67.0304, 66.4074



61.3704, 67.0304, 79.5466

Rectangle

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



65.9622, 67.0304, 79.9826



67.0115, 67.0304, 72.4644



61.5104, 67.0304, 66.4074



60.5195, 67.0304, 73.5075

Sweetspot

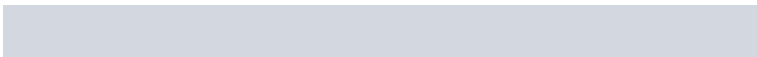
The Sweet Spot groups the original color and five complimentary colors.



65.9641, 67.0333, 79.9841



92.7264, 96.4188, 108.3312



64.9283, 68.4477, 80.3117



19.8716, 20.6751, 23.1933



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.



65.9641, 67.0333, 79.9841



87.1361, 87.8560, 106.9731



67.3156, 67.7502, 79.1306



14.0839, 14.1546, 17.3775



14.0473, 6.3370, 41.5311



1.0727, 0.4903, 2.8833

Inverse Universe

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



66.4318, 67.3967, 74.4767



87.8994, 88.4480, 98.0411



65.4436, 71.9306, 72.9239



14.2170, 14.2578, 15.8238



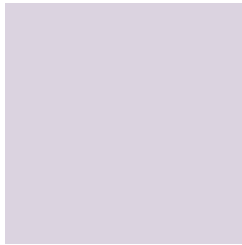
18.9272, 9.6379, 6.2824



1.3547, 0.6852, 0.6609

Previews

White Background



This preview shows how the XYZ color 65.9622, 67.0304, 79.9826 looks on a white background.

Color Contrast Check

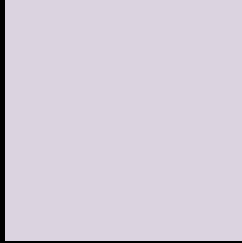
Large Text (above 18pt) WCAG AA × Fail

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 65.9622, 67.0304, 79.9826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

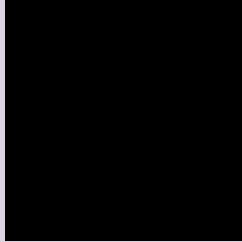
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9622, 67.0304, 79.9826

Background



This preview shows how black text looks on a background with the XYZ color 65.9622, 67.0304, 79.9826.

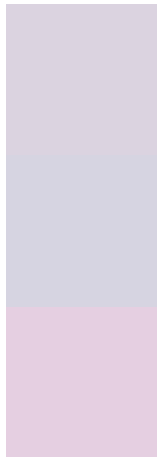


This preview shows how white text looks on a background with the XYZ color 65.9622, 67.0304,

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

65.9622, 67.0304, 79.9826

Protanopia

64.8656, 66.8194, 80.7128

Deuteranopia

68.2165, 66.7199, 80.5170



Tritanopia

66.3728, 67.1947, 82.1447

Trichromacy



Original Color

65.9622, 67.0304, 79.9826

Protanomaly

65.4530, 67.1221, 80.7403

Deuteranomaly

67.1978, 66.5555, 80.5390

Tritanomaly

66.2352, 67.1396, 81.4198

Monochromacy



Original Color

65.9622, 67.0304, 79.9826

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 65.9622, 67.0304, 79.9826 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(219, 211, 224) looks like.

```
.text, #text, p{  
    color:rgb(219, 211, 224)  
}
```

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(219, 211, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 211, 224) }
```

Border

The CSS property to change the border of an element to XYZ 65.9622, 67.0304, 79.9826 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(219, 211, 224) }
```


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

```
.border{ border-color:rgb(219, 211, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 211, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 211, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 211, 224);  
box-shadow:4px 4px 4px 4px rgb(219, 211,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9622, 67.0304, 79.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 211, 224) }
```

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

```
.background{ background-color: rgb(219,  
211, 224) }
```

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