

Converting Colors

XYZ(64.8407, 64.5235, 81.2133)

Have a look what the booklet for
XYZ(64.8407, 64.5235, 81.2133)
contains.

XYZ(64.7122, 64.5390, 80.9981)	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(64.7122, 64.5390,
80.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	DACEE2
RGB	218, 206, 226
RGB Percent	85%, 81%, 89%
CMY	0.1451, 0.1921, 0.1137
CMYK	0.04, 0.09, 0.00, 0.11
HSL	276°, 26%, 85%
HSV	276°, 9%, 89%
XYZ	64.7122, 64.5390, 80.9981
YIQ	211.8680, 0.7320, 8.7640

Conversions

Conversions Part 2

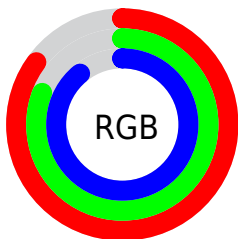
Format	Color
R _Y B	218, 206, 226
Decimal	14339810
CIE Lab	84.25, 7.77, -8.38
CIE LCh	84, 11.430, 312.840
Yxy	64.5390, 0.3078, 0.3070
Android (android.graphics.Color)	4292529890 (0xFFDACEE2)
YUV	211.8680, 6.9671, 5.3778
Hunter-Lab	80.3362, 3.1966, -3.5432

Details

The XYZ color **64.7122, 64.5390, 80.9981** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.0709, 73.1468, 69.0321**, and the grayscale version is **62.4481, 65.7003, 71.5476**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6832, 33.1833, 43.1578** is the 20% darker color. If you saturate the color by 10%, you get **57.0280, 53.0748, 79.1913**, and if you desaturate by 10%, it is **73.3300, 77.6493, 83.0754**.

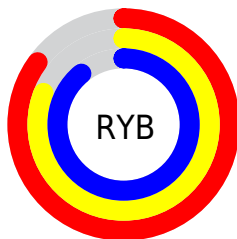
Distribution



Red (85%)

Green (81%)

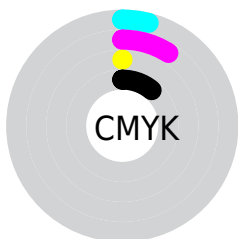
Blue (89%)



Red (85%)

Yellow (81%)

Blue (89%)

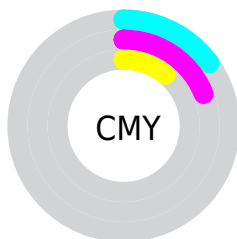


Cyan (4%)

Magenta (9%)

Yellow (0%)

Black (11%)



Cyan (15%)

Magenta (19%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7122, 64.5390, 80.9981 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 64.7122, 64.5390, 80.9981 by changing the saturation by 10% instead.

■ 64.7122, 64.5390,
80.9981

■ 64.7122, 64.5390,
80.9981

431.3186,
441.1335, 518.0854

■ 47.4916, 47.0874,
60.0090

110.7040,
111.3868, 136.5921

■ 33.6340, 33.1047,
43.0006

140.2059,
141.5518, 172.0342

■ 22.7741, 22.2067,
29.5542

174.5323,
176.7234, 213.1310

■ 14.5466, 14.0088,
19.2513

214.0485,
217.2859, 260.3012

■ 8.5860, 8.1268,
11.6733

259.1198,
263.6237, 313.9631

■ 4.5271, 4.1762,
6.4018

310.1117,

■ 2.0044, 1.7726,

316.1214, 374.5354

3.0182

367.3895,
375.1632, 442.4367

■ 0.6365, 0.4700,
1.1039

■ 0.0000, 0.0000,
0.0000

■ 64.7122, 64.5390,
80.9981

■ 64.7122, 64.5390,
80.9981

■ 57.0280, 53.0748,
79.1913

■ 73.3300, 77.6493,
83.0754

■ 50.2361, 43.1808,
77.6395

■ 82.9091, 92.4611,
85.4295

■ 44.3005, 34.7872,
76.3322

■ 87.1878, 96.4462,
85.9732

■ 39.1802, 27.8159,
75.2565

■ 90.4220, 98.1135,
86.1246

■ 34.8305, 22.1813,
74.3982

■ 90.7277, 98.2711,
86.1389

■ 31.2021, 17.7884,
73.7415

■ 28.2389, 14.5290,
73.2685

■ 25.8751, 12.2759,
72.9582

■ 24.0117, 10.8346,
72.7782

Harmonies

Analogous

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



62.4306, 64.5390, 84.7598



64.7122, 64.5390, 80.9981



66.1121, 64.5390, 74.4659

Triad

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



64.7122, 64.5390, 80.9981



62.7898, 64.5390, 57.7754



56.7176, 64.5390, 73.4159

Complementary

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



64.7122, 64.5390, 80.9981



66.0709, 73.1468, 69.0321

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.



56.8078, 64.5390, 66.2386



64.7122, 64.5390, 80.9981



60.2669, 64.5390, 57.5370

Square

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



64.7122, 64.5390, 80.9981



64.9814, 64.5390, 61.2125



58.0916, 64.5390, 60.5373



57.8418, 64.5390, 80.1840

Rectangle

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



64.7122, 64.5390, 80.9981



66.3338, 64.5390, 69.5835



58.0916, 64.5390, 60.5373



56.6078, 64.5390, 70.9651

Sweetspot

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



64.7141, 64.5418, 80.9995



91.5409, 94.6400, 108.0504



63.3146, 66.8774, 81.5241



19.3969, 19.9575, 23.0798



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.



64.7141, 64.5418, 80.9995



82.7367, 81.3243, 105.9442



66.9370, 65.7140, 79.9156



13.7368, 13.6479, 17.2980



13.7231, 6.1698, 41.5160



1.0514, 0.4793, 2.8823

Inverse Universe

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



65.5752, 65.1693, 72.7443



84.1533, 82.3540, 92.4818



63.9965, 72.0539, 69.9976



13.9333, 13.7909, 15.4188



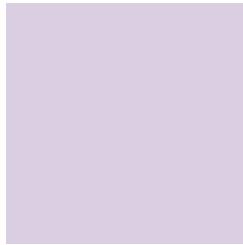
19.0111, 9.6714, 6.7240



1.3611, 0.6877, 0.6944

Previews

White Background



This preview shows how the XYZ color 64.7122, 64.5390, 80.9981 looks on a white background.

Color Contrast Check

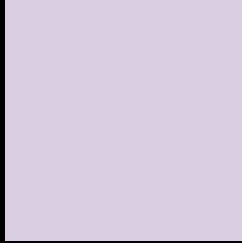
Large Text (above 18pt) WCAG AA × Fail

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 64.7122, 64.5390, 80.9981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

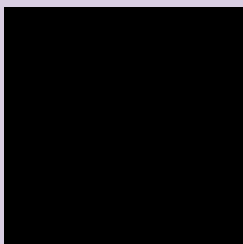
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

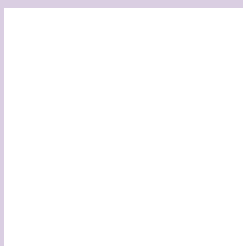
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7122, 64.5390, 80.9981

Background



This preview shows how black text looks on a background with the XYZ color 64.7122, 64.5390, 80.9981.



This preview shows how white text looks on a background with the XYZ color 64.7122, 64.5390,

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

64.7122, 64.5390, 80.9981

Protanopia

63.0986, 64.7577, 82.5726

Deuteranopia

65.7518, 64.3647, 80.9096



Tritanopia

64.5455, 64.8588, 78.9291

Trichromacy



Original Color

64.7122, 64.5390, 80.9981

Protanomaly

63.5724, 64.6549, 81.8021

Deuteranomaly

65.3776, 64.5258, 80.9605

Tritanomaly

64.6808, 64.9129, 79.6414

Monochromacy



Original Color

64.7122, 64.5390, 80.9981

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.3025, 65.3991, 74.9325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7122, 64.5390, 80.9981 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(218, 206, 226) looks like.

```
.text, #text, p{  
    color:rgb(218, 206, 226)  
}
```

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(218, 206, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 206, 226) }
```

Border

The CSS property to change the border of an element to XYZ 64.7122, 64.5390, 80.9981 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(218, 206, 226) }
```


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

```
.border{ border-color:rgb(218, 206, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 206, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 206, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 206, 226);  
box-shadow:4px 4px 4px 4px rgb(218, 206,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7122, 64.5390, 80.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 206, 226) }
```

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

```
.background{ background-color: rgb(218,  
206, 226) }
```

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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