

Converting Colors

XYZ(64.7252, 64.7356, 83.0830)

Have a look what the booklet for
XYZ(64.7252, 64.7356, 83.0830)
contains.

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Color

**XYZ(64.7746, 64.8817,
83.2382)**

Conversions

Conversions Part 1

Format	Color
Hex	D8CFE5
RGB	216, 207, 229
RGB Percent	85%, 81%, 90%
CMY	0.1529, 0.1882, 0.1020
CMYK	0.06, 0.10, 0.00, 0.10
HSL	265°, 30%, 85%
HSV	265°, 10%, 90%
XYZ	64.7746, 64.8817, 83.2382
YIQ	212.1990, -1.6980, 8.7500

Conversions

Conversions Part 2

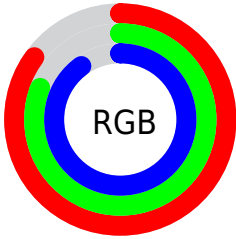
Format	Color
R _Y B	216, 207, 229
Decimal	14208997
CIE Lab	84.42, 7.15, -9.73
CIE LCh	84, 12.075, 306.306
Yxy	64.8817, 0.3043, 0.3048
Android (android.graphics.Color)	4292399077 (0xFFD8CFE5)
YUV	212.1990, 8.2829, 3.3335
Hunter-Lab	80.5492, 2.5819, -4.8849

Details

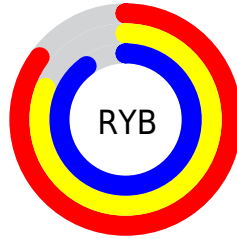
The XYZ color **64.7746, 64.8817, 83.2382** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7993, 75.7610, 70.0318**, and the grayscale version is **62.6607, 65.9239, 71.7912**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7292, 33.4155, 44.7165** is the 20% darker color. If you saturate the color by 10%, you get **55.7893, 52.6037, 81.3429**, and if you desaturate by 10%, it is **74.8977, 78.9442, 85.4200**.

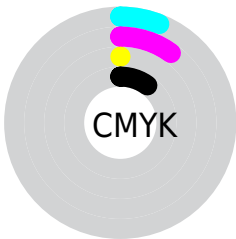
Distribution



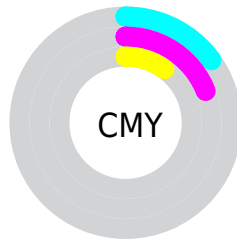
- Red (85%)
- Green (81%)
- Blue (90%)



- Red (85%)
- Yellow (81%)
- Blue (90%)



- Cyan (6%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (15%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7746, 64.8817, 83.2382 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 64.7746, 64.8817, 83.2382 by changing the saturation by 10% instead.

■ 64.7746, 64.8817,
83.2382

■ 64.7746, 64.8817,
83.2382

431.5396,
442.3667, 525.7718

■ 47.5424, 47.3652,
61.8449

110.7933,
111.8798, 139.7612

■ 33.6744, 33.3244,
44.4724

140.3104,
142.1301, 175.7281

■ 22.8052, 22.3751,
30.7022

174.6532,
177.3938, 217.3899

■ 14.5697, 14.1328,
20.1156

214.1870,
218.0552, 265.1651

■ 8.6023, 8.2131,
12.2942

259.2772,
264.4989, 319.4724

■ 4.5377, 4.2316,
6.8194

310.2891,

■ 2.0106, 1.8039,

317.1091, 380.7303

3.2727

367.5881,
376.2702, 449.3572

■ 0.6399, 0.4896,
1.2355

■ 0.0000, 0.0000,
0.0080

■ 64.7746, 64.8817,
83.2382

■ 64.7746, 64.8817,
83.2382

■ 55.7893, 52.6037,
81.3429

■ 74.8977, 78.9442,
85.4200

■ 47.8938, 42.0290,
79.7179

■ 86.1928, 94.8518,
87.8951

■ 41.0446, 33.0821,
78.3520

■ 91.1431, 98.4372,
88.3263

■ 35.1934, 25.6786,
77.2313

■ 30.2873, 19.7262,
76.3410

■ 26.2681, 15.1225,
75.6642

■ 23.0704, 11.7509,
75.1820

■ 20.6176, 9.4739,
74.8717

■ 18.7894, 8.0671,
74.6965

Harmonies

Analogous

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



62.2367, 64.8817, 86.3780



64.7746, 64.8817, 83.2382



66.5157, 64.8817, 76.7528

Triad

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



64.7746, 64.8817, 83.2382



63.7654, 64.8817, 57.9566



56.6793, 64.8817, 72.2810

Complementary

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



64.7746, 64.8817, 83.2382



68.7993, 75.7610, 70.0318

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.



57.0619, 64.8817, 64.8704



64.7746, 64.8817, 83.2382



61.1030, 64.8817, 56.9490

Square

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



64.7746, 64.8817, 83.2382



65.9213, 64.8817, 62.2501



58.6626, 64.8817, 59.3909



57.6019, 64.8817, 79.7629

Rectangle

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



64.7746, 64.8817, 83.2382



66.9630, 64.8817, 71.6018



58.6626, 64.8817, 59.3909



56.6600, 64.8817, 69.6971

Sweetspot

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



64.7765, 64.8845, 83.2396



91.0141, 94.3684, 108.0257



65.5230, 70.2162, 84.2294



19.2548, 19.8843, 23.0732



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.



64.7765, 64.8845, 83.2396



79.7103, 78.7366, 105.6042



68.0731, 66.5839, 83.3939



14.1383, 14.1735, 18.1349



10.8346, 4.6513, 42.7099



0.9038, 0.3969, 3.1609

Inverse Universe

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



67.5464, 66.4538, 76.9800



84.1031, 81.2265, 95.6317



65.6352, 74.1298, 69.8838



14.7326, 14.5102, 16.7923



21.0501, 10.5543, 14.4249



1.6014, 0.7983, 1.3074

Previews

White Background



This preview shows how the XYZ color 64.7746, 64.8817, 83.2382 looks on a white background.

Color Contrast Check

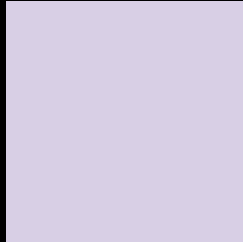
Large Text (above 18pt) WCAG AA × Fail

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 64.7746, 64.8817, 83.2382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

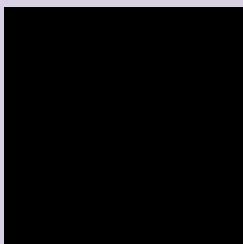
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7746, 64.8817, 83.2382

Background



This preview shows how black text looks on a background with the XYZ color 64.7746, 64.8817, 83.2382.



This preview shows how white text looks on a background with the XYZ color 64.7746, 64.8817,

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

64.7746, 64.8817, 83.2382

Protanopia

63.3779, 64.8694, 84.0436

Deuteranopia

66.0984, 64.8494, 83.1622



Tritanopia

64.0348, 64.9406, 79.6808

Trichromacy



Original Color

64.7746, 64.8817, 83.2382

Protanomaly

63.9902, 64.8220, 84.0022

Deuteranomaly

65.7294, 65.0154, 83.2137

Tritanomaly

64.3077, 65.0498, 81.1180

Monochromacy



Original Color

64.7746, 64.8817, 83.2382

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.1421, 65.3013, 75.6061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7746, 64.8817, 83.2382 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(216, 207, 229) looks like.

```
.text, #text, p{  
    color:rgb(216, 207, 229)  
}
```

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(216, 207, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 207, 229) }
```

Border

The CSS property to change the border of an element to XYZ 64.7746, 64.8817, 83.2382 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(216, 207, 229) }
```


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

```
.border{ border-color:rgb(216, 207, 229) }
```

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

Here you see how a box with a 4 pixel rgb(216, 207, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 207, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 207, 229);  
box-shadow:4px 4px 4px 4px rgb(216, 207,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7746, 64.8817, 83.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 207, 229) }
```

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

```
.background{ background-color: rgb(216,  
207, 229) }
```

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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