

Converting Colors

XYZ(63.7103, 63.7137, 80.6194)

Have a look what the booklet for
XYZ(63.7103, 63.7137, 80.6194)
contains.

XYZ(63.8777, 63.7526, 80.8903)	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(63.8777, 63.7526,
80.8903)**

Conversions

Conversions Part 1

Format	Color
Hex	D8CDE2
RGB	216, 205, 226
RGB Percent	85%, 80%, 89%
CMY	0.1529, 0.1961, 0.1137
CMYK	0.04, 0.09, 0.00, 0.11
HSL	271°, 27%, 85%
HSV	271°, 9%, 89%
XYZ	63.8777, 63.7526, 80.8903
YIQ	210.6830, -0.1850, 8.8630

Conversions

Conversions Part 2

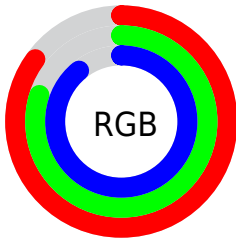
Format	Color
R _Y B	216, 205, 226
Decimal	14208482
CIE Lab	83.84, 7.63, -9.01
CIE LCh	84, 11.806, 310.292
Yxy	63.7526, 0.3063, 0.3057
Android (android.graphics.Color)	4292398562 (0xFFD8CDE2)
YUV	210.6830, 7.5513, 4.6630
Hunter-Lab	79.8452, 3.0743, -4.1744

Details

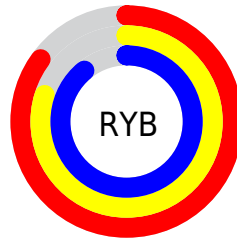
The XYZ color **63.8777, 63.7526, 80.8903** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.2426, 73.2493, 68.4080**, and the grayscale version is **61.6613, 64.8725, 70.6461**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1152, 32.6506, 43.0849** is the 20% darker color. If you saturate the color by 10%, you get **55.7812, 52.1261, 79.0739**, and if you desaturate by 10%, it is **72.9671, 77.0537, 82.9796**.

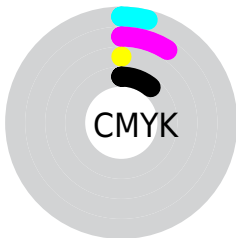
Distribution



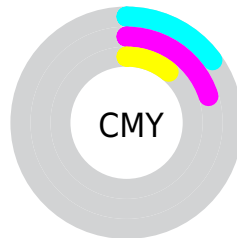
- Red (85%)
- Green (80%)
- Blue (89%)



- Red (85%)
- Yellow (80%)
- Blue (89%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)



- Cyan (15%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8777, 63.7526, 80.8903 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 63.8777, 63.7526, 80.8903 by changing the saturation by 10% instead.

■ 63.8777, 63.7526,
80.8903

■ 63.8777, 63.7526,
80.8903

428.3571,
438.2957, 517.7138

■ 46.8129, 46.4503,
59.9208

109.5095,
110.2546, 136.4394

■ 33.0951, 32.6013,
42.9299

138.8073,
140.2230, 171.8561

■ 22.3589, 21.8212,
29.4991

172.9134,
175.1824, 212.9256

■ 14.2389, 13.7256,
19.2099

212.1932,
215.5170, 260.0664

■ 8.3699, 7.9301,
11.6437

257.0122,
261.6112, 313.6971

■ 4.3863, 4.0502,
6.3820

307.7356,

■ 1.9229, 1.7017,

313.8495, 374.2362

3.0062

364.7287,
372.6162, 442.1023

■ 0.5901, 0.4248,
1.0978

■ 0.0000, 0.0000,
0.0000

■ 63.8777, 63.7526,
80.8903

■ 63.8777, 63.7526,
80.8903

■ 55.7812, 52.1261,
79.0739

■ 72.9671, 77.0537,
82.9796

■ 48.6347, 42.0972,
77.5148

■ 83.0790, 92.0857,
85.3481

■ 42.4004, 33.5953,
76.2023

■ 88.3029, 97.0210,
86.0254

■ 37.0353, 26.5407,
75.1234

■ 90.7277, 98.2711,
86.1389

■ 32.4928, 20.8467,
74.2638

■ 28.7213, 16.4168,
73.6075

■ 25.6625, 13.1411,
73.1364

■ 23.2479, 10.8901,
72.8292

■ 21.3705, 9.4569,
72.6515

Harmonies

Analogous

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



61.4904, 63.7526, 84.4389



63.8777, 63.7526, 80.8903



65.4124, 63.7526, 74.3447

Triad

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



63.8777, 63.7526, 80.8903



62.2924, 63.7526, 56.8187



55.8192, 63.7526, 71.9991

Complementary

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



63.8777, 63.7526, 80.8903



66.2426, 73.2493, 68.4080

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.



56.0200, 63.7526, 64.7096



63.8777, 63.7526, 80.8903



59.7082, 63.7526, 56.2894

Square

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



63.8777, 63.7526, 80.8903



64.4792, 63.7526, 60.5826



57.4266, 63.7526, 59.0811



56.8699, 63.7526, 79.0682

Rectangle

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



63.8777, 63.7526, 80.8903



65.7202, 63.7526, 69.3430



57.4266, 63.7526, 59.0811



55.7433, 63.7526, 69.4886

Sweetspot

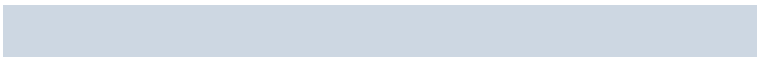
The Sweet Spot groups the original color and five complimentary colors.



63.8796, 63.7553, 80.8917



91.3301, 94.5313, 108.0405



63.2454, 67.1499, 81.5803



19.3400, 19.9282, 23.0771



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.



63.8796, 63.7553, 80.8917



82.0002, 80.9446, 105.9097



66.8767, 65.3059, 80.7815



13.6337, 13.5947, 17.2932



12.2603, 5.4157, 41.4475



0.9530, 0.4286, 2.8777

Inverse Universe

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



65.4634, 64.7406, 73.3392



84.4696, 82.4805, 94.1474



63.4373, 71.7983, 68.4975



13.9777, 13.8087, 15.6527



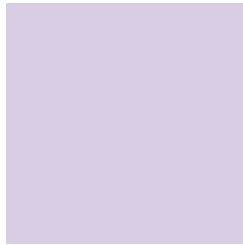
19.4856, 9.8612, 9.2226



1.3957, 0.7015, 0.8764

Previews

White Background



This preview shows how the XYZ color 63.8777, 63.7526, 80.8903 looks on a white background.

Color Contrast Check

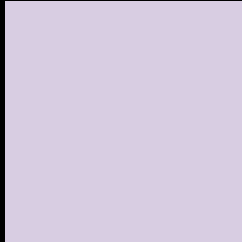
Large Text (above 18pt) WCAG AA × Fail

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 63.8777, 63.7526, 80.8903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

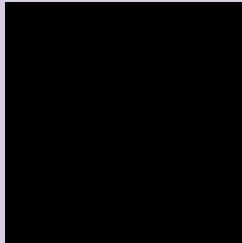
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8777, 63.7526, 80.8903

Background



This preview shows how black text looks on a background with the XYZ color 63.8777, 63.7526, 80.8903.



This preview shows how white text looks on a background with the XYZ color 63.8777, 63.7526,

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

63.8777, 63.7526, 80.8903

Protanopia

62.2916, 63.9786, 82.4648

Deuteranopia

64.9022, 63.5750, 80.8020



Tritanopia

63.2805, 63.8636, 78.0989

Trichromacy



Original Color

63.8777, 63.7526, 80.8903

Protanomaly

62.7563, 63.8733, 81.6942

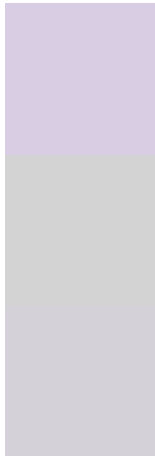
Deuteranomaly

64.5338, 63.7368, 80.8526

Tritanomaly

63.4149, 63.9174, 78.8070

Monochromacy



Original Color

63.8777, 63.7526, 80.8903

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.6357, 64.7049, 74.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8777, 63.7526, 80.8903 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, 205, 226) looks like.

```
.text, #text, p{  
    color:rgb(216, 205, 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(216, 205, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 205, 226) }
```

Border

The CSS property to change the border of an element to XYZ 63.8777, 63.7526, 80.8903 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, 205, 226) }
```


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

```
.border{ border-color:rgb(216, 205, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 205, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 205, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 205, 226);  
box-shadow:4px 4px 4px 4px rgb(216, 205,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8777, 63.7526, 80.8903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 205, 226) }
```

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

```
.background{ background-color: rgb(216,  
205, 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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