

Converting Colors

XYZ(31.8634, 25.5433, 37.7241)

Have a look what the booklet for
XYZ(31.8634, 25.5433, 37.7241)
contains.

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Color

**XYZ(31.7981, 25.4217,
37.8813)**

Conversions

Conversions Part 1

Format	Color
Hex	B377A3
RGB	179, 119, 163
RGB Percent	70%, 47%, 64%
CMY	0.2980, 0.5333, 0.3608
CMYK	0.00, 0.34, 0.09, 0.30
HSL	316°, 28%, 58%
HSV	316°, 34%, 70%
XYZ	31.7981, 25.4217, 37.8813
YIQ	141.9560, 21.6360, 26.4040

Conversions

Conversions Part 2

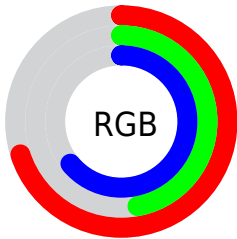
Format	Color
R_{YB}	179, 119, 163
Decimal	11761571
CIE _{Lab}	57.48, 30.36, -13.97
CIE _{LCh}	57, 33.420, 335.294
Yxy	25.4217, 0.3344, 0.2673
Android (android.graphics.Color)	4289951651 (0xFFB377A3)
YUV	141.9560, 10.3747, 32.4876
Hunter-Lab	50.4199, 24.3389, -9.2516

Details

The XYZ color **31.7981, 25.4217, 37.8813** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.1021, 37.9122, 28.7599**, and the grayscale version is **25.6487, 26.9844, 29.3861**.

A 20% lighter version of the original color is **61.9995, 52.3999, 73.1761**, and **13.4548, 9.7639, 16.2144** is the 20% darker color. If you saturate the color by 10%, you get **29.4455, 21.3879, 35.0267**, and if you desaturate by 10%, it is **34.5696, 30.2667, 40.9558**.

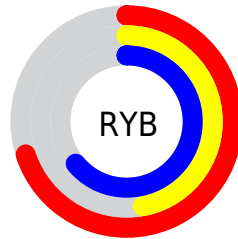
Distribution



Red (70%)

Green (47%)

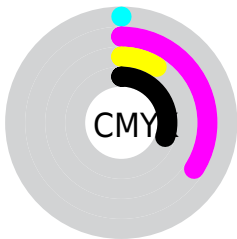
Blue (64%)



Red (70%)

Yellow (47%)

Blue (64%)

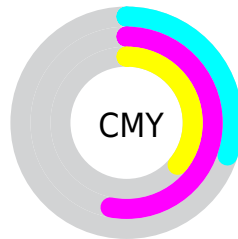


Cyan (0%)

Magenta (34%)

Yellow (9%)

Black (30%)



Cyan (30%)


Magenta (53%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7981, 25.4217, 37.8813 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 31.7981, 25.4217, 37.8813 by changing the saturation by 10% instead.

 31.7981, 25.4217,
37.8813


 31.7981, 25.4217,
37.8813


301.9602,
279.9316, 352.3934


 21.3621, 16.3915,
25.5895


 61.8618, 52.3405,
73.1276

 13.5029, 9.8016,
16.2938


 82.2202, 70.9979,
96.9191

 7.8551, 5.2676,
9.5757

 106.6168, 93.6332,
125.3809

 4.0534, 2.4051,
5.0166

135.4169,
120.6308, 158.9315

 1.7324, 0.8285,
2.1981

168.9860,
152.3750, 197.9896

 0.4764, 0.0000,
0.6733

207.6893,

 0.0000, 0.0000,

189.2503, 242.9735

0.0000

251.8923,
231.6410, 294.3020

■ 31.7981, 25.4217,
37.8813

■ 31.7981, 25.4217,
37.8813

■ 29.4455, 21.3879,
35.0267

■ 34.5696, 30.2667,
40.9558

■ 27.4868, 18.1165,
32.3819

■ 37.7786, 35.9611,
44.2563

■ 25.8977, 15.5591,
29.9382

■ 41.4455, 42.5449,
47.7909

■ 24.6502, 13.6600,
27.6854

■ 45.5887, 50.0545,
51.5664

■ 23.7123, 12.3554,
25.6120

■ 50.2254, 58.5243,
55.5894

■ 23.0455, 11.5685,
23.7040

■ 55.3720, 67.9869,
59.8662

■ 22.7053, 11.2297,
22.5377

■ 61.0444, 78.4733,
64.4028

■ 64.9156, 85.3298,
68.4245

■ 65.4868, 85.5583,
71.4322

Harmonies

Analogous

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



28.8565, 25.4217, 49.6833



31.7981, 25.4217, 37.8813



32.6064, 25.4217, 25.7075

Triad

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



31.7981, 25.4217, 37.8813



23.4637, 25.4217, 11.0963



18.4422, 25.4217, 42.3625

Complementary

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



31.7981, 25.4217, 37.8813



28.1021, 37.9122, 28.7599

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.



17.3190, 25.4217, 29.7507



31.7981, 25.4217, 37.8813



20.0075, 25.4217, 13.3747

Square

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



31.7981, 25.4217, 37.8813



27.5023, 25.4217, 12.1683



17.8591, 25.4217, 19.4972



21.1048, 25.4217, 52.7286

Rectangle

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



31.7981, 25.4217, 37.8813



31.7582, 25.4217, 19.3361



17.8591, 25.4217, 19.4972



17.8862, 25.4217, 38.1333

Sweetspot

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



31.7989, 25.4229, 37.8818



69.7659, 68.1725, 81.3335



24.7263, 21.6006, 45.5144



15.2605, 14.7524, 17.8277



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.7989, 25.4229, 37.8818



53.8597, 40.2156, 64.1454



29.4218, 24.4720, 25.3644



8.7514, 8.6073, 10.1891



16.0725, 7.9466, 16.0737



0.5283, 0.2591, 0.6249

Inverse Universe

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



31.7989, 25.4229, 37.8818



53.8597, 40.2156, 64.1454



30.5203, 38.8795, 41.4940



8.7514, 8.6073, 10.1891



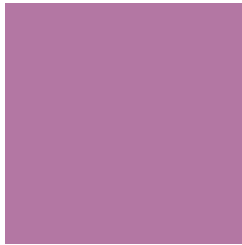
16.0725, 7.9466, 16.0737



0.5283, 0.2591, 0.6249

Previews

White Background



This preview shows how the XYZ color 31.7981, 25.4217, 37.8813 looks on a white background.

Color Contrast Check

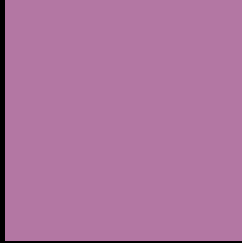
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7981, 25.4217, 37.8813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

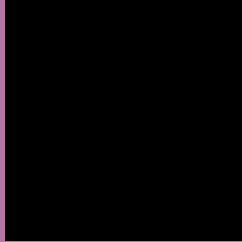
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7981, 25.4217, 37.8813

Background



This preview shows how black text looks on a background with the XYZ color 31.7981, 25.4217, 37.8813.



This preview shows how white text looks on a background with the XYZ color 31.7981, 25.4217,

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

31.7981, 25.4217, 37.8813

Protanopia

25.7368, 25.6536, 44.1526

Deuteranopia

25.9936, 25.5287, 36.8152



Tritanopia

29.1899, 25.2505, 25.8896

Trichromacy



Original Color

31.7981, 25.4217, 37.8813

Protanomaly

27.3659, 25.1086, 41.9322

Deuteranomaly

27.8008, 25.2423, 37.1252

Tritanomaly

29.9749, 25.1935, 30.0710

Monochromacy



Original Color

31.7981, 25.4217, 37.8813

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.5477, 26.2208, 32.4634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7981, 25.4217, 37.8813 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(179, 119, 163)` looks like.

```
.text, #text, p{  
    color:rgb(179, 119, 163)  
}
```

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(179, 119, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 119, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.7981, 25.4217, 37.8813 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(179, 119, 163) }
```


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

```
.border{ border-color:rgb(179, 119, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 119, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 119, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 119, 163);  
box-shadow:4px 4px 4px 4px rgb(179, 119,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7981, 25.4217, 37.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 119, 163) }
```

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

```
.background{ background-color: rgb(179,  
119, 163) }
```

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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