

Converting Colors

XYZ(31.5684, 25.0142, 40.4120)

Have a look what the booklet for
XYZ(31.5684, 25.0142, 40.4120)
contains.

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Color

**XYZ(31.6778, 25.1311,
40.2270)**

Conversions

Conversions Part 1

Format	Color
Hex	B176A8
RGB	177, 118, 168
RGB Percent	69%, 46%, 66%
CMY	0.3059, 0.5372, 0.3412
CMYK	0.00, 0.33, 0.05, 0.31
HSL	309°, 27%, 58%
HSV	309°, 33%, 69%
XYZ	31.6778, 25.1311, 40.2270
YIQ	141.3410, 19.1140, 28.0580

Conversions

Conversions Part 2

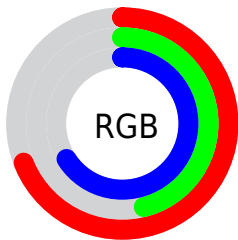
Format	Color
RYB	177, 118, 168
Decimal	11630248
CIELab	57.20, 31.13, -17.30
CIELCh	57, 35.617, 330.943
Yxy	25.1311, 0.3265, 0.2590
Android (android.graphics.Color)	4289820328 (0xFFB176A8)
YUV	141.3410, 13.1429, 31.2729
Hunter-Lab	50.1309, 25.0653, -12.4849

Details

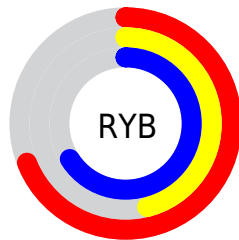
The XYZ color **31.6778, 25.1311, 40.2270** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.0252, 36.8290, 25.7645**, and the grayscale version is **25.3966, 26.7192, 29.0973**.

A 20% lighter version of the original color is **61.4865, 51.7772, 76.5653**, and **13.3879, 9.6062, 17.6716** is the 20% darker color. If you saturate the color by 10%, you get **29.5370, 21.2476, 38.2853**, and if you desaturate by 10%, it is **34.2165, 29.8012, 42.3276**.

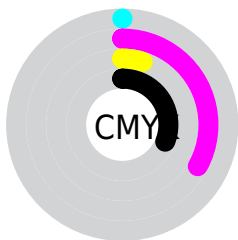
Distribution



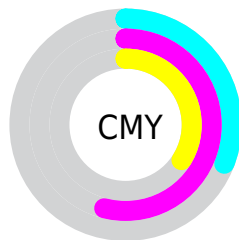
- Red (69%)
- Green (46%)
- Blue (66%)



- Red (69%)
- Yellow (46%)
- Blue (66%)



- Cyan (0%)
- Magenta (33%)
- Yellow (5%)
- Black (31%)





- Cyan (31%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6778, 25.1311, 40.2270 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 31.6778, 25.1311, 40.2270 by changing the saturation by 10% instead.


 31.6778, 25.1311,
40.2270


 31.6778, 25.1311,
40.2270


301.4203,
278.4902, 362.6599

 21.2699, 16.1748,
27.4004


 61.6742, 51.8698,
76.7499

 13.4350, 9.6479,
17.6391


 81.9935, 70.4210,
101.2834

 7.8078, 5.1661,
10.5244


 106.3472, 92.9392,
130.5562

 4.0230, 2.3451,
5.6379

135.1007,
119.8089, 164.9869

 1.7151, 0.7974,
2.5610

168.6195,
151.4145, 204.9941

 0.4657, 0.0000,
0.8722

207.2687,

 0.0000, 0.0000,

188.1403, 250.9964

0.0000

251.4139,
230.3707, 303.4121

■ 31.6778, 25.1311,
40.2270

■ 31.6778, 25.1311,
40.2270

■ 29.5370, 21.2476,
38.2853

■ 34.2165, 29.8012,
42.3276

■ 27.7698, 18.1033,
36.4935

■ 37.1710, 35.2949,
44.5925

■ 26.3529, 15.6513,
34.8439

■ 40.5609, 41.6511,
47.0287

■ 25.2593, 13.8377,
33.3274

■ 44.4039, 48.9050,
49.6421

■ 24.4580, 12.6006,
31.9335

■ 48.7168, 57.0900,
52.4385

■ 23.9119, 11.8659,
30.6496

■ 53.5154, 66.2378,
55.4233

■ 23.6366, 11.5492,
29.8370

■ 58.8147, 76.3785,
58.6017

■ 63.1426, 84.5676,
61.4832

■ 63.4398, 84.6865,
63.0480

Harmonies

Analogous

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



28.2917, 25.1311, 52.4292



31.6778, 25.1311, 40.2270



32.9213, 25.1311, 26.9838

Triad

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



31.6778, 25.1311, 40.2270



23.7534, 25.1311, 10.1217



17.5987, 25.1311, 41.0873

Complementary

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



31.6778, 25.1311, 40.2270



27.0252, 36.8290, 25.7645

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.



16.6771, 25.1311, 27.7467



31.6778, 25.1311, 40.2270



19.9639, 25.1311, 11.9157

Square

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



31.6778, 25.1311, 40.2270



28.0342, 25.1311, 11.6979



17.4903, 25.1311, 17.5840



20.1693, 25.1311, 53.0199

Rectangle

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



31.6778, 25.1311, 40.2270



32.2652, 25.1311, 19.8901



17.4903, 25.1311, 17.5840



17.1003, 25.1311, 36.5074

Sweetspot

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



31.6786, 25.1322, 40.2275



68.4041, 66.6392, 81.2080



23.1454, 20.6329, 44.3583



14.6501, 14.1158, 17.4719



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.6786, 25.1322, 40.2275



53.8479, 39.7632, 69.4612



29.2455, 24.1590, 27.4151



8.7932, 8.6240, 10.4095



17.1433, 8.3749, 21.7122



0.5544, 0.2695, 0.7623

Inverse Universe

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



31.6786, 25.1322, 40.2275



53.8479, 39.7632, 69.4612



29.2247, 37.7088, 37.3473



8.7932, 8.6240, 10.4095



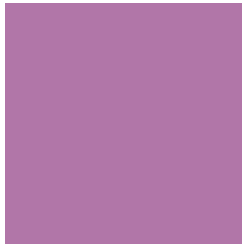
17.1433, 8.3749, 21.7122



0.5544, 0.2695, 0.7623

Previews

White Background



This preview shows how the XYZ color 31.6778, 25.1311, 40.2270 looks on a white background.

Color Contrast Check

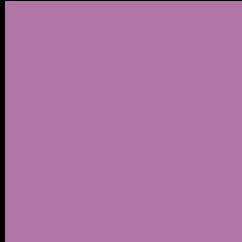
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6778, 25.1311, 40.2270 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 31.6778, 25.1311, 40.2270

Background



This preview shows how black text looks on a background with the XYZ color 31.6778, 25.1311, 40.2270.



This preview shows how white text looks on a background with the XYZ color 31.6778, 25.1311,

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

31.6778, 25.1311, 40.2270

Protanopia

25.7488, 25.3801, 47.2578

Deuteranopia

25.9367, 25.4478, 39.1422



Tritanopia

28.8703, 25.2727, 25.9107

Trichromacy



Original Color

31.6778, 25.1311, 40.2270

Protanomaly

27.3638, 24.8548, 44.4295

Deuteranomaly

27.6821, 25.1291, 39.4678

Tritanomaly

29.6034, 24.9931, 30.4580

Monochromacy



Original Color

31.6778, 25.1311, 40.2270

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.2999, 25.8794, 32.8345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6778, 25.1311, 40.2270 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(177, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 118, 168)  
}
```

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(177, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 118, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.6778, 25.1311, 40.2270 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(177, 118, 168) }
```


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

```
.border{ border-color:rgb(177, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(177, 118,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6778, 25.1311, 40.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 118, 168) }
```

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

```
.background{ background-color: rgb(177,  
118, 168) }
```

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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