

Converting Colors

XYZ(31.5556, 25.3643, 39.6331)

Have a look what the booklet for
XYZ(31.5556, 25.3643, 39.6331)
contains.

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Color

**XYZ(31.5960, 25.4531,
39.8069)**

Conversions

Conversions Part 1

Format	Color
Hex	B078A7
RGB	176, 120, 167
RGB Percent	69%, 47%, 65%
CMY	0.3098, 0.5294, 0.3451
CMYK	0.00, 0.32, 0.05, 0.31
HSL	310°, 26%, 58%
HSV	310°, 32%, 69%
XYZ	31.5960, 25.4531, 39.8069
YIQ	142.1020, 18.2890, 26.4890

Conversions

Conversions Part 2

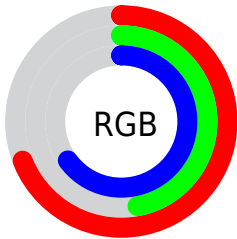
Format	Color
RYB	176, 120, 167
Decimal	11565223
CIELab	57.51, 29.49, -16.26
CIELCh	58, 33.679, 331.132
Yxy	25.4531, 0.3262, 0.2628
Android (android.graphics.Color)	4289755303 (0xFFB078A7)
YUV	142.1020, 12.2747, 29.7285
Hunter-Lab	50.4511, 23.4999, -11.4653

Details

The XYZ color **31.5960, 25.4531, 39.8069** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.2345, 36.6294, 26.4052**, and the grayscale version is **25.7001, 27.0385, 29.4449**.

A 20% lighter version of the original color is **61.4071, 52.3169, 75.9689**, and **13.3107, 9.7557, 17.4011** is the 20% darker color. If you saturate the color by 10%, you get **29.4123, 21.4992, 37.8030**, and if you desaturate by 10%, it is **34.1761, 30.1897, 41.9716**.

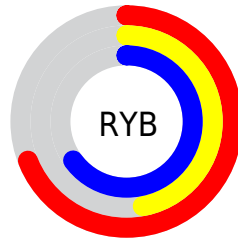
Distribution



Red (69%)

Green (47%)

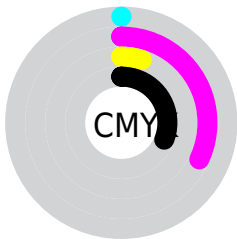
Blue (65%)



Red (69%)

Yellow (47%)

Blue (65%)

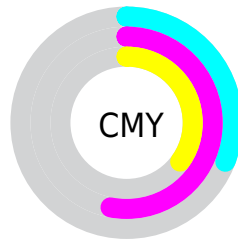


Cyan (0%)

Magenta (32%)

Yellow (5%)

Black (31%)



Cyan (31%)

Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5960, 25.4531, 39.8069 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 31.5960, 25.4531, 39.8069 by changing the saturation by 10% instead.

■ 31.5960, 25.4531,
39.8069

■ 31.5960, 25.4531,
39.8069

301.0529,
280.0870, 360.8369

■ 21.2072, 16.4150,
27.0754

■ 61.5467, 52.3913,
76.1032

■ 13.3888, 9.8183,
17.3969

■ 81.8392, 71.0602,
100.5052

■ 7.7757, 5.2786,
10.3529

■ 106.1637, 93.7081,
129.6343

■ 4.0023, 2.4117,
5.5249

134.8855,
120.7195, 163.9091

■ 1.7035, 0.8319,
2.4944

168.3700,
152.4786, 203.7483

■ 0.4584, 0.0000,
0.8372

206.9825,

■ 0.0000, 0.0000,

189.3700, 249.5703

0.0000

251.0883,
231.7780, 301.7936

■ 31.5960, 25.4531,
39.8069

■ 31.5960, 25.4531,
39.8069

■ 29.4123, 21.4992,
37.8030

■ 34.1761, 30.1897,
41.9716

■ 27.6011, 18.2817,
35.9512

■ 37.1699, 35.7449,
44.3024

■ 26.1399, 15.7552,
34.2438

■ 40.5966, 42.1568,
46.8061

■ 25.0026, 13.8674,
32.6721

■ 44.4735, 49.4597,
49.4886

■ 24.1593, 12.5586,
31.2259

■ 48.8170, 57.6864,
52.3555

■ 23.5745, 11.7582,
29.8932

■ 53.6426, 66.8678,
55.4122

■ 23.2273, 11.3592,
28.8665

■ 58.9651, 77.0335,
58.6638

■ 62.9186, 84.4518,
61.4885

■ 63.2301, 84.5764,
63.1288

Harmonies

Analogous

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



28.4037, 25.4531, 51.2517



31.5960, 25.4531, 39.8069



32.7534, 25.4531, 27.2800

Triad

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



31.5960, 25.4531, 39.8069



24.0404, 25.4531, 10.9746



18.1720, 25.4531, 40.7768

Complementary

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



31.5960, 25.4531, 39.8069



27.2345, 36.6294, 26.4052

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.



17.2705, 25.4531, 28.1527



31.5960, 25.4531, 39.8069



20.4194, 25.4531, 12.7787

Square

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



31.5960, 25.4531, 39.8069



28.1110, 25.4531, 12.5201



18.0464, 25.4531, 18.3579



20.6560, 25.4531, 51.9119

Rectangle

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



31.5960, 25.4531, 39.8069



32.1245, 25.4531, 20.4882



18.0464, 25.4531, 18.3579



17.6870, 25.4531, 36.4659

Sweetspot

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



31.5968, 25.4542, 39.8074



68.3784, 66.6289, 81.0726



23.5165, 21.1892, 43.9251



14.6438, 14.1132, 17.4387



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.



31.5968, 25.4542, 39.8074



54.5170, 41.1040, 69.6766



29.3261, 24.5459, 27.8500



8.7902, 8.6228, 10.3936



17.0602, 8.3416, 21.2745



0.5525, 0.2687, 0.7519

Inverse Universe

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



31.5968, 25.4542, 39.8074



54.5170, 41.1040, 69.6766



29.3067, 37.4583, 37.3168



8.7902, 8.6228, 10.3936



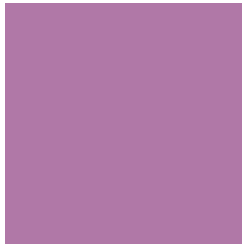
17.0602, 8.3416, 21.2745



0.5525, 0.2687, 0.7519

Previews

White Background



This preview shows how the XYZ color 31.5960, 25.4531, 39.8069 looks on a white background.

Color Contrast Check

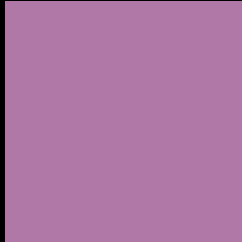
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5960, 25.4531, 39.8069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

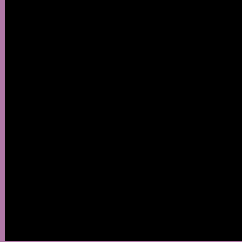
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5960, 25.4531, 39.8069

Background



This preview shows how black text looks on a background with the XYZ color 31.5960, 25.4531, 39.8069.



This preview shows how white text looks on a background with the XYZ color 31.5960, 25.4531,

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

31.5960, 25.4531, 39.8069

Protanopia

25.8347, 25.6580, 46.2387

Deuteranopia

26.0123, 25.4972, 38.6724



Tritanopia

28.9180, 25.4699, 26.6846

Trichromacy



Original Color

31.5960, 25.4531, 39.8069

Protanomaly

27.5312, 25.3475, 43.9989

Deuteranomaly

27.7231, 25.3573, 39.0306

Tritanomaly

29.7077, 25.4061, 30.9419

Monochromacy



Original Color

31.5960, 25.4531, 39.8069

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.4374, 26.1546, 32.8804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5960, 25.4531, 39.8069 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(176, 120, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 120, 167)  
}
```

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(176, 120, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 120, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.5960, 25.4531, 39.8069 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(176, 120, 167) }
```


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

```
.border{ border-color:rgb(176, 120, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 120, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 120, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 120, 167); box-shadow:4px 4px 4px 4px rgb(176, 120, 167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5960, 25.4531, 39.8069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 120, 167) }
```

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

```
.background{ background-color: rgb(176,  
120, 167) }
```

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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