

Converting Colors

XYZ(31.7094, 25.1932, 45.5019)

Have a look what the booklet for
XYZ(31.7094, 25.1932, 45.5019)
contains.

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Color

**XYZ(31.6460, 25.1787,
45.3115)**

Conversions

Conversions Part 1

Format	Color
Hex	AC77B2
RGB	172, 119, 178
RGB Percent	67%, 47%, 70%
CMY	0.3255, 0.5333, 0.3020
CMYK	0.03, 0.33, 0.00, 0.30
HSL	294°, 28%, 58%
HSV	294°, 33%, 70%
XYZ	31.6460, 25.1787, 45.3115
YIQ	141.5730, 12.6490, 29.5850

Conversions

Conversions Part 2

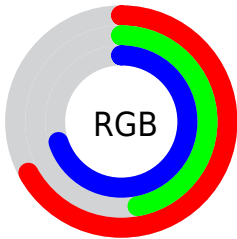
Format	Color
RYB	172, 119, 178
Decimal	11302834
CIELab	57.25, 30.82, -23.03
CIELCh	57, 38.471, 323.235
Yxy	25.1787, 0.3098, 0.2465
Android (android.graphics.Color)	4289492914 (0xFFAC77B2)
YUV	141.5730, 17.9585, 26.6845
Hunter-Lab	50.1784, 24.7624, -18.4145

Details

The XYZ color **31.6460, 25.1787, 45.3115** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.7085, 37.5333, 23.2383**, and the grayscale version is **25.4713, 26.7978, 29.1828**.

A 20% lighter version of the original color is **61.5987, 51.9395, 84.6206**, and **13.4375, 9.6589, 20.5581** is the 20% darker color. If you saturate the color by 10%, you get **29.3284, 21.1288, 44.6523**, and if you desaturate by 10%, it is **34.3674, 30.0271, 46.1043**.

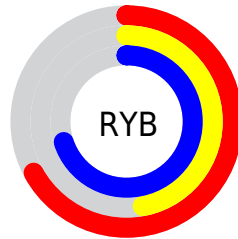
Distribution



Red (67%)

Green (47%)

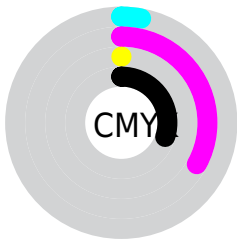
Blue (70%)



Red (67%)

Yellow (47%)

Blue (70%)

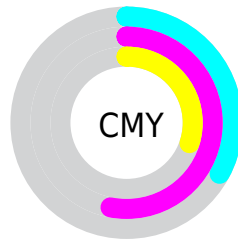


Cyan (3%)

Magenta (33%)

Yellow (0%)

Black (30%)



Cyan (33%)

Magenta (53%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6460, 25.1787, 45.3115 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 31.6460, 25.1787, 45.3115 by changing the saturation by 10% instead.

■ 31.6460, 25.1787,
45.3115

■ 31.6460, 25.1787,
45.3115

301.2775,
278.7267, 384.2305

■ 21.2455, 16.2102,
31.3581

■ 61.6247, 51.9470,
84.5110

■ 13.4170, 9.6730,
20.6110

■ 81.9335, 70.5156,
110.5943

■ 7.7953, 5.1827,
12.6515

■ 106.2759, 93.0530,
141.5579

■ 4.0150, 2.3549,
7.0611

135.0171,
119.9437, 177.8205

■ 1.7106, 0.8025,
3.4213

168.5225,
151.5720, 219.8004

■ 0.4629, 0.0000,
1.3136

207.1575,

■ 0.0000, 0.0000,

188.3224, 267.9164

0.0729

251.2874,
230.5791, 322.5869

■ 0.0000, 0.0000,
0.0000

■ 31.6460, 25.1787,
45.3115

■ 31.6460, 25.1787,
45.3115

■ 29.3284, 21.1288,
44.6523

■ 34.3674, 30.0271,
46.1043

■ 27.3900, 17.8296,
44.1177

■ 37.5105, 35.7116,
47.0358

■ 25.8070, 15.2335,
43.7000


■ 41.0954, 42.2714,
48.1131

■ 24.5523, 13.2860,
43.3902


■ 45.1400, 49.7424,
49.3419


■ 23.5946, 11.9245,
43.1779


■ 49.6610, 58.1582,
50.7281


 22.8963, 11.0740,
43.0506

 54.6747, 67.5511,
52.2768

 22.5132, 10.6777,
42.9942

 60.1962, 77.9515,
53.9933

 64.1629, 85.2339,
55.1899

 64.6070, 85.4628,
55.2107

Harmonies

Analogous

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



27.5513, 25.1787, 57.4829



31.6460, 25.1787, 45.3115



33.7124, 25.1787, 30.4740

Triad

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



31.6460, 25.1787, 45.3115



24.9770, 25.1787, 9.3030



16.7594, 25.1787, 38.5344

Complementary

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



31.6460, 25.1787, 45.3115



27.7085, 37.5333, 23.2383

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.



16.2531, 25.1787, 24.5685



31.6460, 25.1787, 45.3115



20.6437, 25.1787, 10.2362

Square

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



31.6460, 25.1787, 45.3115



29.5589, 25.1787, 11.8442



17.5853, 25.1787, 14.9875



19.0681, 25.1787, 52.7822

Rectangle

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



31.6460, 25.1787, 45.3115



33.4974, 25.1787, 22.0702



17.5853, 25.1787, 14.9875



16.3860, 25.1787, 33.5605

Sweetspot

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



31.6468, 25.1798, 45.3120



69.8689, 68.1257, 85.8483



23.0906, 22.0294, 45.1549



15.2861, 14.7405, 18.9618



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.



31.6468, 25.1798, 45.3120



54.1504, 39.9873, 81.2455



30.9064, 25.0392, 34.3844



8.7632, 8.6020, 10.7048



16.1389, 7.6557, 30.7641



0.5321, 0.2534, 0.9691

Inverse Universe

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



28.6594, 24.1404, 22.5522



47.9593, 37.8554, 33.0744



28.3828, 37.7048, 31.2234



8.5303, 8.5188, 9.0251



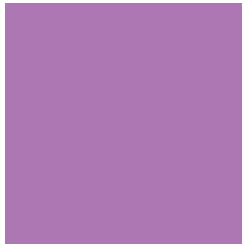
13.2271, 6.8084, 1.0901



0.4275, 0.2188, 0.0942

Previews

White Background



This preview shows how the XYZ color 31.6460, 25.1787, 45.3115 looks on a white background.

Color Contrast Check

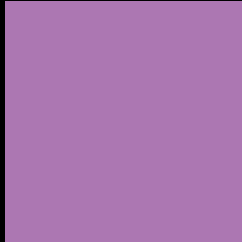
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6460, 25.1787, 45.3115 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 31.6460, 25.1787, 45.3115

Background



This preview shows how black text looks on a background with the XYZ color 31.6460, 25.1787, 45.3115.



This preview shows how white text looks on a background with the XYZ color 31.6460, 25.1787,

45.3115.

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

31.6460, 25.1787, 45.3115

Protanopia

26.0933, 25.4349, 52.8244

Deuteranopia

25.9176, 25.3286, 44.0804



Tritanopia

27.8306, 25.0919, 27.0433

Trichromacy



Original Color

31.6460, 25.1787, 45.3115

Protanomaly

27.6608, 25.0859, 49.8386

Deuteranomaly

27.7194, 25.0381, 44.4462

Tritanomaly

29.0236, 25.0071, 33.0029

Monochromacy



Original Color

31.6460, 25.1787, 45.3115

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.5784, 26.1891, 34.6118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6460, 25.1787, 45.3115 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(172, 119, 178)` looks like.

```
.text, #text, p{  
    color:rgb(172, 119, 178)  
}
```

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(172, 119, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 119, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.6460, 25.1787, 45.3115 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(172, 119, 178) }
```


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

```
.border{ border-color:rgb(172, 119, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 119, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 119, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 119, 178);  
box-shadow:4px 4px 4px 4px rgb(172, 119,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6460, 25.1787, 45.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 119, 178) }
```

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

```
.background{ background-color: rgb(172,  
119, 178) }
```

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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