

Converting Colors

XYZ(31.8330, 23.4824, 48.7324)

Have a look what the booklet for
XYZ(31.8330, 23.4824, 48.7324)
contains.

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Color

**XYZ(31.9048, 23.5540,
48.7638)**

Conversions

| Conversions Part 1 | |
|--------------------|----------------------------|
| Format | Color |
| Hex | AF6DB9 |
| RGB | 175, 109, 185 |
| RGB Percent | 69%, 43%, 73% |
| CMY | 0.3137, 0.5725, 0.2745 |
| CMYK | 0.05, 0.41, 0.00, 0.27 |
| HSL | 292°, 35%, 58% |
| HSV | 292°, 41%, 73% |
| XYZ | 31.9048, 23.5540, 48.7638 |
| YIQ | 137.3980, 14.9400, 37.6280 |

Conversions

Conversions Part 2

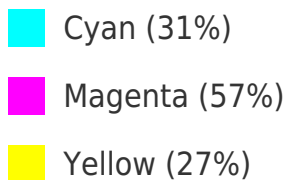
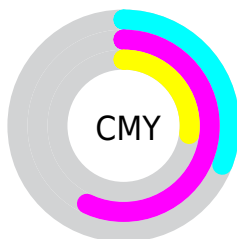
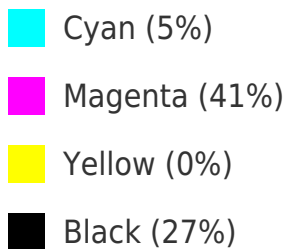
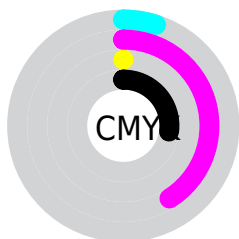
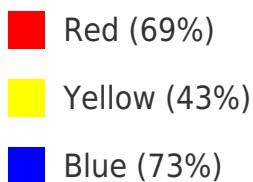
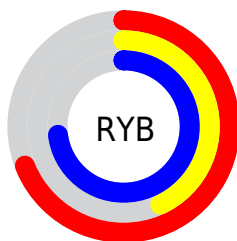
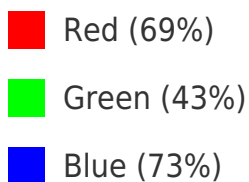
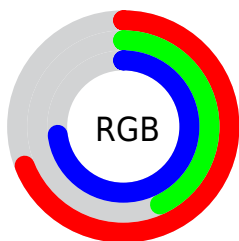
| Format | Color |
|-------------------------------------|--|
| RYB | 175, 109, 185 |
| Decimal | 11496889 |
| CIELab | 55.64, 38.70, -29.50 |
| CIELCh | 56, 48.667, 322.682 |
| Yxy | 23.5540, 0.3061, 0.2260 |
| Android (android.graphics.Color) | 4289686969 (0xFFAF6DB9) |
| YUV | 137.3980, 23.4678, 32.9770 |
| Hunter-Lab | 48.5325, 32.4125, -25.5999 |

Details

The XYZ color **31.9048, 23.5540, 48.7638** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.7178, 39.7246, 20.6758**, and the grayscale version is **23.8391, 25.0806, 27.3127**.

A 20% lighter version of the original color is **62.0762, 49.3473, 89.4723**, and **13.6140, 8.8588, 22.8222** is the 20% darker color. If you saturate the color by 10%, you get **29.5939, 19.7354, 48.1489**, and if you desaturate by 10%, it is **34.6425, 28.2104, 49.5186**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9048, 23.5540, 48.7638 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 31.9048, 23.5540, 48.7638 by changing the saturation by 10% instead.


 31.9048, 23.5540,
48.7638


 31.9048, 23.5540,
48.7638

302.4384,
270.5578, 398.4074

 21.4440, 15.0031,
34.0679


 62.0280, 49.3014,
89.7179


 13.5632, 8.8216,
22.6680


 82.4211, 67.2667,
116.8131

 7.8972, 4.6250,
14.1455


 106.8557, 89.1389,
148.8786

 4.0805, 2.0290,
8.0820

 135.6972,
115.3025, 186.3327

 1.7478, 0.6242,
4.0590

169.3108,
146.1418, 229.5942

 0.4859, 0.0000,
1.6578


208.0620,


 0.0000, 0.0000,


182.0412, 279.0814

0.3315


252.3160,
223.3850, 335.2130


 0.0000, 0.0000,
0.0000


 31.9048, 23.5540,
48.7638


 31.9048, 23.5540,
48.7638


 29.5939, 19.7354,
48.1489


 34.6425, 28.2104,
49.5186


 27.6810, 16.6989,
47.6636


 37.8286, 33.7495,
50.4199


 26.1377, 14.3870,
47.2987


 41.4861, 40.2166,
51.4754


 24.9304, 12.7329,
47.0431


 45.6358, 47.6532,
52.6921


 24.0195, 11.6572,
46.8834


 50.2970, 56.0980,
54.0764

 23.3864, 11.0445,
46.7985

 55.4883, 65.5879,
55.6345

 61.2271, 76.1577,
57.3722

 66.8872, 86.5550,
59.0808

 67.5191, 86.8808,
59.1104

Harmonies

Analogous

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



26.7223, 23.5540, 65.0173



31.9048, 23.5540, 48.7638



34.6130, 23.5540, 29.7047

Triad

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



31.9048, 23.5540, 48.7638



23.7629, 23.5540, 5.7982



13.9723, 23.5540, 39.2025

Complementary

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



31.9048, 23.5540, 48.7638



27.7178, 39.7246, 20.6758

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.



13.4441, 23.5540, 21.9755



31.9048, 23.5540, 48.7638



18.5486, 23.5540, 6.6121

Square

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



31.9048, 23.5540, 48.7638



29.4371, 23.5540, 8.3028



14.9802, 23.5540, 11.3086



16.5639, 23.5540, 58.0991

Rectangle

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



31.9048, 23.5540, 48.7638



34.3835, 23.5540, 19.5500



14.9802, 23.5540, 11.3086



13.5670, 23.5540, 32.8940

Sweetspot

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



31.9056, 23.5550, 48.7643



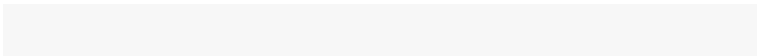
73.5260, 70.6486, 91.9659



21.6773, 19.9805, 48.6134



15.6611, 14.8936, 19.7709



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.9056, 23.5550, 48.7643



53.4904, 36.1399, 86.3611



31.5741, 23.6914, 34.8676



9.2616, 9.1012, 11.3480



15.9678, 7.5429, 31.8674



0.5955, 0.2827, 1.1249

Inverse Universe

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



28.8067, 22.5844, 20.2947



47.3891, 34.2789, 28.0501



28.1622, 39.7521, 29.8064



9.0514, 9.0309, 9.6183



13.7538, 7.0753, 1.3246



0.5005, 0.2557, 0.1290

Previews

White Background



This preview shows how the XYZ color 31.9048, 23.5540, 48.7638 looks on a white background.

Color Contrast Check

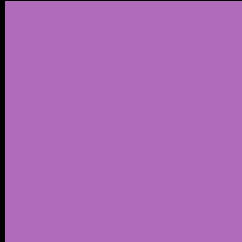
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9048, 23.5540, 48.7638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

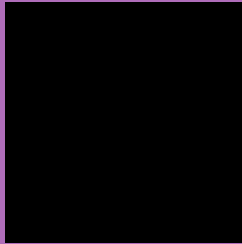
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9048, 23.5540, 48.7638

Background



This preview shows how black text looks on a background with the XYZ color 31.9048, 23.5540, 48.7638.



This preview shows how white text looks on a background with the XYZ color 31.9048, 23.5540,

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

31.9048, 23.5540, 48.7638

Protanopia

25.0801, 23.7325, 59.7589

Deuteranopia

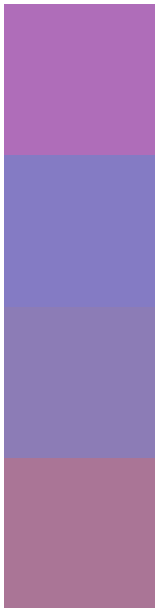
24.3375, 23.8318, 47.0333



Tritanopia

26.8030, 23.5019, 24.2428

Trichromacy



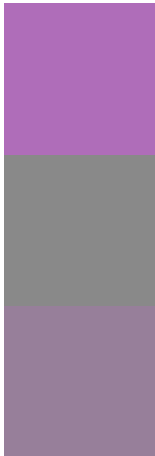
Original Color
31.9048, 23.5540, 48.7638

Protanomaly
26.5625, 23.0570, 55.2750

Deuteranomaly
26.4664, 23.3682, 47.3715

Tritanomaly
28.4439, 23.4706, 31.8853

Monochromacy



Original Color
31.9048, 23.5540, 48.7638

Achromatopsia
23.7775, 25.0158, 27.2422

Achromatomaly
26.1846, 24.0911, 33.8418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9048, 23.5540, 48.7638 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(175, 109, 185) looks like.

```
.text, #text, p{  
    color:rgb(175, 109, 185)  
}
```

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(175, 109, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 109, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.9048, 23.5540, 48.7638 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(175, 109, 185) }
```


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

```
.border{ border-color:rgb(175, 109, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 109, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 109, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 109, 185);  
box-shadow:4px 4px 4px 4px rgb(175, 109,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9048, 23.5540, 48.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 109, 185) }
```

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

```
.background{ background-color: rgb(175,  
109, 185) }
```

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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