

# Converting Colors

XYZ(31.5042, 23.2621, 39.1328)

Have a look what the booklet for  
XYZ(31.5042, 23.2621, 39.1328)  
contains.

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# Color

**XYZ(31.4320, 23.2136,  
38.9004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B66BA6
RGB	182, 107, 166
RGB Percent	71%, 42%, 65%
CMY	0.2863, 0.5804, 0.3490
CMYK	0.00, 0.41, 0.09, 0.29
HSL	313°, 34%, 57%
HSV	313°, 41%, 71%
XYZ	31.4320, 23.2136, 38.9004
YIQ	136.1510, 25.7610, 34.2490

# Conversions

## Conversions Part 2

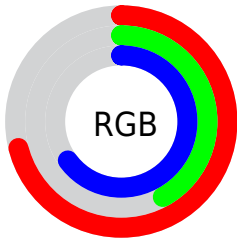
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">182, 107, 166</a>
Decimal	<a href="#">11955110</a>
CIELab	<a href="#">55.29, 38.47, -19.00</a>
CIELCh	<a href="#">55, 42.908, 333.720</a>
Yxy	<a href="#">23.2136, 0.3360, 0.2482</a>
Android (android.graphics.Color)	<a href="#">4290145190 (0xFFB66BA6)</a>
YUV	<a href="#">136.1510, 14.7156, 40.2096</a>
Hunter-Lab	<a href="#">48.1805, 32.1340, -14.1437</a>

# Details

The XYZ color **31.4320, 23.2136, 38.9004** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.3675, 38.0125, 24.6878**, and the grayscale version is **23.3988, 24.6173, 26.8083**.

A 20% lighter version of the original color is **61.2186, 48.7128, 74.5826**, and **13.2528, 8.6532, 16.8913** is the 20% darker color. If you saturate the color by 10%, you get **29.3798, 19.6702, 36.4855**, and if you desaturate by 10%, it is **33.8958, 27.5621, 41.5060**.

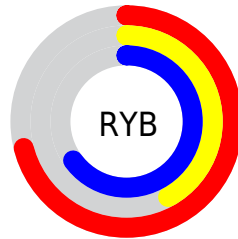
# Distribution



Red (71%)

Green (42%)

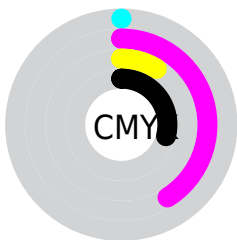
Blue (65%)



Red (71%)

Yellow (42%)

Blue (65%)

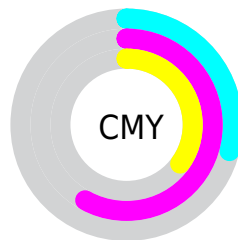


Cyan (0%)

Magenta (41%)

Yellow (9%)

Black (29%)



Cyan (29%)

Magenta (58%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4320, 23.2136, 38.9004 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 31.4320, 23.2136, 38.9004 by changing the saturation by 10% instead.




 31.4320, 23.2136,  
38.9004


 31.4320, 23.2136,  
38.9004


300.3151,  
268.8202, 356.8802

 21.0815, 14.7513,  
26.3750


 61.2908, 48.7438,  
74.7048


 13.2964, 8.6450,  
16.8761


 81.5298, 66.5805,  
98.8209

 7.7113, 4.5104,  
9.9852


 105.7956, 88.3109,  
127.6377

 3.9610, 1.9630,  
5.2837

 134.4537,  
114.3192, 161.5736

 1.6801, 0.5858,  
2.3530

167.8693,  
144.9899, 201.0473

 0.4438, 0.0000,  
0.7607

206.4078,

 0.0000, 0.0000,

180.7073, 246.4773

0.0000

250.4346,  
221.8560, 298.2820

■ 31.4320, 23.2136,  
38.9004

■ 31.4320, 23.2136,  
38.9004

■ 29.3798, 19.6702,  
36.4855

■ 33.8958, 27.5621,  
41.5060

■ 27.7115, 16.8782,  
34.2511

■ 36.7921, 32.7587,  
44.3090

■ 26.3998, 14.7822,  
32.1876


■ 40.1431, 38.8470,  
47.3176


■ 25.4123, 13.3181,  
30.2838

■ 43.9687, 45.8670,  
50.5388

■ 24.7110, 12.4095,  
28.5266


■ 48.2876, 53.8558,  
53.9793

 24.2625, 11.9336,  
27.0795

 53.1177, 62.8490,  
57.6454

 58.4757, 72.8800,  
61.5433

 64.3777, 83.9807,  
65.6786

 65.5880, 85.6797,  
68.3066

# Harmonies

## Analogous

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



27.6027, 23.2136, 54.3040



31.4320, 23.2136, 38.9004



32.6318, 23.2136, 23.5970

# Triad

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



31.4320, 23.2136, 38.9004



21.4696, 23.2136, 6.9943



15.2345, 23.2136, 43.0016

# Complementary

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



31.4320, 23.2136, 38.9004



26.3675, 38.0125, 24.6878

# 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.



14.0662, 23.2136, 27.0322



31.4320, 23.2136, 38.9004



17.3204, 23.2136, 9.0328

# Square

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



31.4320, 23.2136, 38.9004



26.4143, 23.2136, 8.1953



14.7708, 23.2136, 15.2738



18.2194, 23.2136, 57.2138



# Rectangle

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



31.4320, 23.2136, 38.9004



31.6535, 23.2136, 16.0529



14.7708, 23.2136, 15.2738



14.6377, 23.2136, 37.4889

# Sweetspot

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



31.4327, 23.2147, 38.9009



72.1350, 69.2543, 85.2250



21.7283, 18.0316, 46.5917



15.7504, 14.9642, 18.6638



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.



31.4327, 23.2147, 38.9009



53.7350, 36.4637, 66.7307



28.5457, 22.0599, 23.6981



9.2967, 9.1290, 10.9096



17.1588, 8.4373, 19.2550



0.6257, 0.3058, 0.7884



# Inverse Universe

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



31.4327, 23.2147, 38.9009



53.7350, 36.4637, 66.7307



29.0937, 39.1030, 39.0439



9.2967, 9.1290, 10.9096



17.1588, 8.4373, 19.2550

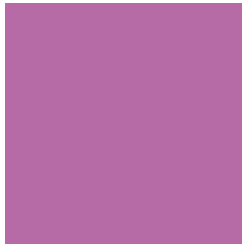


0.6257, 0.3058, 0.7884



# Previews

## White Background



This preview shows how the XYZ color 31.4320, 23.2136, 38.9004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

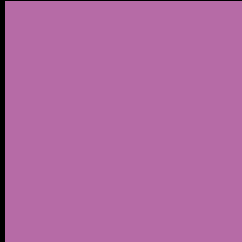
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.4320, 23.2136, 38.9004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

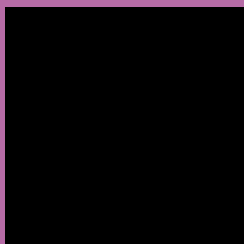
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.4320, 23.2136, 38.9004**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.4320, 23.2136, 38.9004.



This preview shows how white text looks on a background with the XYZ color 31.4320, 23.2136,



# 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

31.4320, 23.2136, 38.9004

### Protanopia

24.1041, 23.4752, 48.6081

### Deuteranopia

23.8643, 23.3992, 37.4411



## Tritanopia

28.0149, 23.2931, 22.0883

# Trichromacy



## Original Color

31.4320, 23.2136, 38.9004

## Protanomaly

25.8799, 22.7561, 44.6233

## Deuteranomaly

26.1481, 23.0474, 37.7208

## Tritanomaly

29.1557, 23.2580, 27.3787

# Monochromacy



## Original Color

31.4320, 23.2136, 38.9004

## Achromatopsia

23.4014, 24.6201, 26.8113

## Achromatomaly

25.7369, 23.5461, 30.7921

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.4320, 23.2136, 38.9004 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(182, 107, 166)` looks like.

```
.text, #text, p{  
    color:rgb(182, 107, 166)  
}
```

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(182, 107, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 107, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 31.4320, 23.2136, 38.9004 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(182, 107, 166) }
```



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

```
.border{ border-color:rgb(182, 107, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 107, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 107, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 107, 166); box-shadow:4px 4px 4px 4px rgb(182, 107, 166) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.4320, 23.2136, 38.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 107, 166) }
```

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

```
.background{ background-color: rgb(182,  
107, 166) }
```

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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