

# Converting Colors

XYZ(31.3169, 22.9169, 22.1749)

Have a look what the booklet for  
XYZ(31.3169, 22.9169, 22.1749)  
contains.

<b>XYZ(31.3169, 22.9169, 22.1749)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(31.3169, 22.9169,  
22.1749)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4677D
RGB	196, 103, 125
RGB Percent	77%, 40%, 49%
CMY	0.2314, 0.5961, 0.5098
CMYK	0.00, 0.47, 0.36, 0.23
HSL	346°, 44%, 59%
HSV	346°, 47%, 77%
XYZ	31.3169, 22.9169, 22.1749
YIQ	133.3150, 48.3660, 26.5580

# Conversions

## Conversions Part 2

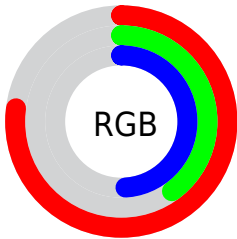
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 103, 125
Decimal	12871549
CIE Lab	54.99, 39.37, 4.72
CIE LCh	55, 39.648, 6.839
Yxy	22.9169, 0.4099, 0.2999
Android (android.graphics.Color)	4291061629 (0xFFC4677D)
YUV	133.3150, -4.0993, 54.9747
Hunter-Lab	47.8716, 32.9968, 6.0460

# Details

The XYZ color **31.3169, 22.9169, 22.1749** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.9746, 45.4200, 47.0758**, and the grayscale version is **22.4119, 23.5790, 25.6776**.

A 20% lighter version of the original color is **61.0643, 48.2113, 47.6822**, and **13.1800, 8.4668, 7.7771** is the 20% darker color. If you saturate the color by 10%, you get **28.7058, 19.1111, 16.9382**, and if you desaturate by 10%, it is **34.5302, 27.6964, 28.3234**.

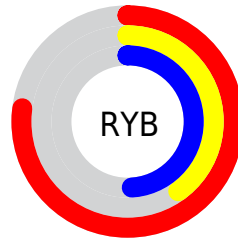
# Distribution



Red (77%)

Green (40%)

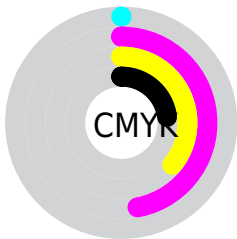
Blue (49%)



Red (77%)

Yellow (40%)

Blue (49%)

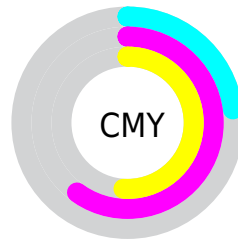


Cyan (0%)

Magenta (47%)

Yellow (36%)

Black (23%)



Cyan (23%)

Magenta (60%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3169, 22.9169, 22.1749 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 31.3169, 22.9169, 22.1749 by changing the saturation by 10% instead.





 31.3169, 22.9169,  
22.1749


 31.3169, 22.9169,  
22.1749


299.7965,  
267.2979, 276.4415


 20.9933, 14.5322,  
13.7859


 61.1111, 48.2568,  
47.9408


 13.2315, 8.4917,  
7.8349


 81.3124, 65.9808,  
66.1548

 7.6663, 4.4112,  
3.9032


 105.5370, 87.5867,  
88.4809

 3.9322, 1.9061,  
1.5724

 134.1502,  
113.4588, 115.3376

 1.6638, 0.5521,  
0.2710

167.5174,  
143.9816, 147.1435

 0.4335, 0.0000,  
0.0000

206.0040,

 0.0000, 0.0000,

179.5395, 184.3171

0.0000

249.9752,  
220.5167, 227.2769

■ 31.3169, 22.9169,  
22.1749

■ 31.3169, 22.9169,  
22.1749

■ 28.7058, 19.1111,  
16.9382

■ 34.5302, 27.6964,  
28.3234

■ 26.6563, 16.2082,  
12.5673

■ 38.3791, 33.5072,  
35.4239

■ 25.1253, 14.1333,  
9.0142


■ 42.8967, 40.4062,  
43.5156


■ 24.0626, 12.7976,  
6.2249


■ 48.1134, 48.4455,  
52.6352


■ 23.3990, 12.0763,  
4.1357

■ 54.0574, 57.6734,  
62.8173

 23.2653, 11.9359,  
3.6996

 60.7557, 68.1359,  
74.0952

 68.2335, 79.8762,  
86.5003

 74.9628, 89.8309,  
99.5457

 76.5750, 90.4758,  
108.0354

# Harmonies

## Analogous

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



30.5310, 22.9169, 35.7573



31.3169, 22.9169, 22.1749



29.2855, 22.9169, 13.0543

# Triad

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



31.3169, 22.9169, 22.1749



17.0893, 22.9169, 10.1418



18.6183, 22.9169, 54.5475

# Complementary

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



31.3169, 22.9169, 22.1749



32.9746, 45.4200, 47.0758

# 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.



15.6837, 22.9169, 42.4988



31.3169, 22.9169, 22.1749



14.8876, 22.9169, 16.5784

# Square

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



31.3169, 22.9169, 22.1749



20.7890, 22.9169, 7.7893



14.4100, 22.9169, 27.9531



22.8058, 22.9169, 57.6043



# Rectangle

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



31.3169, 22.9169, 22.1749



26.7494, 22.9169, 9.6598



14.4100, 22.9169, 27.9531



17.4708, 22.9169, 51.2558

# Sweetspot

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



31.3175, 22.9181, 22.1753



80.6179, 77.6669, 83.9547



31.9933, 22.5430, 54.8897



16.8297, 15.9692, 17.2203



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



31.3175, 22.9181, 22.1753



51.8145, 34.3510, 30.2965



32.7069, 27.7020, 16.4566



10.1687, 10.1161, 10.9787



14.9773, 7.6807, 2.5266



0.6750, 0.3430, 0.2558



# Inverse Universe

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



31.3175, 22.9181, 22.1753



51.8145, 34.3510, 30.2965



30.4539, 36.6613, 57.6959



10.1687, 10.1161, 10.9787



14.9773, 7.6807, 2.5266



0.6750, 0.3430, 0.2558



# Previews

## White Background



This preview shows how the XYZ color 31.3169, 22.9169, 22.1749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

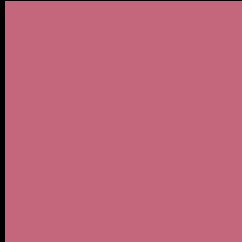
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.3169, 22.9169, 22.1749 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 31.3169, 22.9169, 22.1749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.3169, 22.9169, 22.1749.



This preview shows how white text looks on a background with the XYZ color 31.3169, 22.9169,



# 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

31.3169, 22.9169, 22.1749

### Protanopia

22.4397, 23.0612, 28.4679

### Deuteranopia

23.4350, 22.9488, 21.2836



## Tritanopia

30.5379, 22.8975, 18.4329

# Trichromacy



## Original Color

31.3169, 22.9169, 22.1749

## Protanomaly

24.7281, 22.3926, 25.9406

## Deuteranomaly

25.7172, 22.4690, 21.3939

## Tritanomaly

30.6669, 22.7871, 19.6116

# Monochromacy



## Original Color

31.3169, 22.9169, 22.1749

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

24.6991, 22.5987, 24.1793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.3169, 22.9169, 22.1749 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(196, 103, 125)` looks like.

```
.text, #text, p{  
    color:rgb(196, 103, 125)  
}
```

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(196, 103, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 103, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 31.3169, 22.9169, 22.1749 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(196, 103, 125) }
```



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

```
.border{ border-color:rgb(196, 103, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 103, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 103, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 103, 125);  
box-shadow:4px 4px 4px 4px rgb(196, 103,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.3169, 22.9169, 22.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 103, 125) }
```

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

```
.background{ background-color: rgb(196,  
103, 125) }
```

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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