

Converting Colors

XYZ(31.7700, 21.6454, 21.2976)

Have a look what the booklet for
XYZ(31.7700, 21.6454, 21.2976)
contains.

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Color

**XYZ(31.7594, 21.6409,
21.2421)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5C7B
RGB	202, 92, 123
RGB Percent	79%, 36%, 48%
CMY	0.2078, 0.6392, 0.5176
CMYK	0.00, 0.54, 0.39, 0.21
HSL	343°, 51%, 58%
HSV	343°, 54%, 79%
XYZ	31.7594, 21.6409, 21.2421
YIQ	128.4240, 55.6090, 32.9610

Conversions

Conversions Part 2

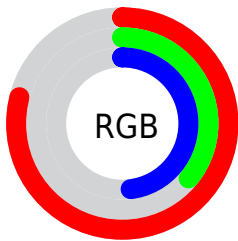
Format	Color
R_{YB}	202, 92, 123
Decimal	13261947
CIE _{Lab}	53.64, 46.77, 4.08
CIE _{LCh}	54, 46.950, 4.985
Yxy	21.6409, 0.4255, 0.2899
Android (android.graphics.Color)	4291452027 (0xFFCA5C7B)
YUV	128.4240, -2.6740, 64.5262
Hunter-Lab	46.5198, 40.4537, 5.4905

Details

The XYZ color **31.7594, 21.6409, 21.2421** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **32.8860, 47.4571, 45.9578**, and the grayscale version is **20.6613, 21.7373, 23.6719**.

A 20% lighter version of the original color is **59.2567, 44.9129, 46.1033**, and **13.4647, 7.8235, 7.4570** is the 20% darker color. If you saturate the color by 10%, you get **29.3950, 18.2595, 16.3004**, and if you desaturate by 10%, it is **34.7260, 26.0113, 27.0491**.

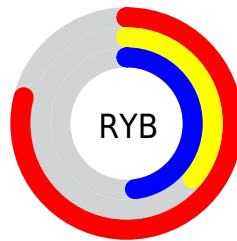
Distribution



Red (79%)

Green (36%)

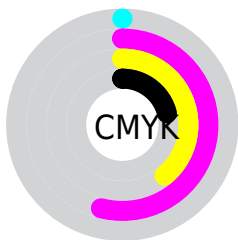
Blue (48%)



Red (79%)

Yellow (36%)

Blue (48%)

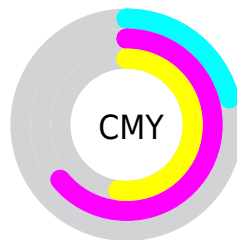


Cyan (0%)

Magenta (54%)

Yellow (39%)

Black (21%)



Cyan (21%)


Magenta (64%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7594, 21.6409, 21.2421 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 31.7594, 21.6409, 21.2421 by changing the saturation by 10% instead.


 31.7594, 21.6409,
21.2421


 31.7594, 21.6409,
21.2421


301.7866,
260.6652, 271.3855


 21.3324, 13.5933,
13.1081


 61.8015, 46.1518,
46.3761


 13.4811, 7.8383,
7.3714


 82.1473, 63.3838,
64.2132

 7.8399, 3.9917,
3.6135


 106.5301, 84.4461,
86.1218

 4.0436, 1.6689,
1.4158

 135.3153,
109.7230, 112.5204

 1.7268, 0.4034,
0.1540

168.8681,
139.5990, 143.8275

 0.4730, 0.0000,
0.0000

207.5541,

 0.0000, 0.0000,

174.4584, 180.4617

0.0000

251.7384,
214.6857, 222.8415

■ 31.7594, 21.6409,
21.2421

■ 31.7594, 21.6409,
21.2421

■ 29.3950, 18.2595,
16.3004

■ 34.7260, 26.0113,
27.0491

■ 27.5873, 15.7854,
12.1789

■ 38.3324, 31.4371,
33.7605

■ 26.2865, 14.1294,
8.8302

■ 42.6152, 37.9828,
41.4146

■ 25.4324, 13.1819,
6.2002

■ 47.6074, 45.7070,
50.0468

■ 25.0936, 12.8512,
5.0184

■ 53.3400, 54.6639,
59.6907

■ 59.8422, 64.9045,
70.3783

■ 67.1413, 76.4768,
82.1402

■ 75.2636, 89.4264,
95.0056

■ 77.9381, 91.2049,
106.9040

Harmonies

Analogous

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



30.6129, 21.6409, 37.2897



31.7594, 21.6409, 21.2421



29.5326, 21.6409, 11.0029

Triad

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



31.7594, 21.6409, 21.2421



15.5168, 21.6409, 7.3977



16.7520, 21.6409, 58.5335

Complementary

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



31.7594, 21.6409, 21.2421



32.8860, 47.4571, 45.9578

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.



13.6319, 21.6409, 43.2293



31.7594, 21.6409, 21.2421



13.0042, 21.6409, 13.7016

Square

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



31.7594, 21.6409, 21.2421



19.7417, 21.6409, 5.3610



12.3747, 21.6409, 26.0476



21.4191, 21.6409, 63.2169

Rectangle

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



31.7594, 21.6409, 21.2421



26.6185, 21.6409, 7.4015



12.3747, 21.6409, 26.0476



15.5135, 21.6409, 54.2234

Sweetspot

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



31.7600, 21.6420, 21.2425



79.0231, 74.9288, 82.0312



31.2470, 20.5591, 58.1984



16.5247, 15.4338, 16.8888



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.



31.7600, 21.6420, 21.2425



49.2740, 30.2227, 26.5125



32.5159, 25.7829, 13.3895



11.3401, 11.2648, 12.3256



16.1807, 8.2829, 3.4042



0.8677, 0.4405, 0.3492

Inverse Universe

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



31.7600, 21.6420, 21.2425



49.2740, 30.2227, 26.5125



31.0288, 38.4476, 61.6628



11.3401, 11.2648, 12.3256



16.1807, 8.2829, 3.4042



0.8677, 0.4405, 0.3492

Previews

White Background



This preview shows how the XYZ color 31.7594, 21.6409, 21.2421 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 31.7594, 21.6409, 21.2421 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 31.7594, 21.6409, 21.2421

Background



This preview shows how black text looks on a background with the XYZ color 31.7594, 21.6409, 21.2421.



This preview shows how white text looks on a background with the XYZ color 31.7594, 21.6409,

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

31.7594, 21.6409, 21.2421

Protanopia

21.5056, 21.9640, 29.4916

Deuteranopia

22.1547, 21.7431, 20.1687



Tritanopia

30.4006, 21.6044, 15.1382

Trichromacy



Original Color

31.7594, 21.6409, 21.2421

Protanomaly

23.9011, 20.9091, 26.0687

Deuteranomaly

24.9102, 21.0514, 20.5197

Tritanomaly

30.9941, 21.7277, 17.3122

Monochromacy



Original Color

31.7594, 21.6409, 21.2421

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.4142, 20.7364, 22.5071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7594, 21.6409, 21.2421 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(202, 92, 123)` looks like.

```
.text, #text, p{  
    color:rgb(202, 92, 123)  
}
```

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(202, 92, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 92, 123) }
```

Border

The CSS property to change the border of an element to XYZ 31.7594, 21.6409, 21.2421 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(202, 92, 123) }
```


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

```
.border{ border-color:rgb(202, 92, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 92, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 92, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 92, 123);  
box-shadow:4px 4px 4px 4px rgb(202, 92,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7594, 21.6409, 21.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 92, 123) }
```

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

```
.background{ background-color: rgb(202, 92,  
123) }
```

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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