

# Converting Colors

XYZ(30.9923, 24.1613, 21.3249)

Have a look what the booklet for  
XYZ(30.9923, 24.1613, 21.3249)  
contains.

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# Color

**XYZ(31.0453, 24.1999,  
21.4471)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0707A
RGB	192, 112, 122
RGB Percent	75%, 44%, 48%
CMY	0.2471, 0.5608, 0.5216
CMYK	0.00, 0.42, 0.36, 0.25
HSL	353°, 39%, 60%
HSV	353°, 42%, 75%
XYZ	31.0453, 24.1999, 21.4471
YIQ	137.0600, 44.4700, 20.0700

# Conversions

## Conversions Part 2

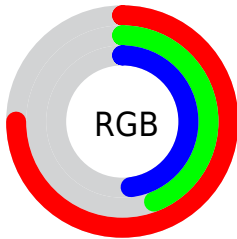
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 112, 122
Decimal	12611706
CIELab	56.29, 32.76, 8.27
CIELCh	56, 33.784, 14.162
Yxy	24.1999, 0.4048, 0.3155
Android (android.graphics.Color)	4290801786 (0xFFC0707A)
YUV	137.0600, -7.4246, 48.1824
Hunter-Lab	49.1934, 26.5605, 8.5864

# Details

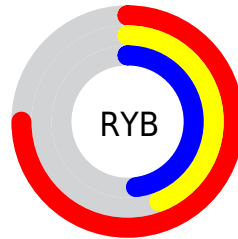
The XYZ color **31.0453, 24.1999, 21.4471** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.9764, 44.5221, 51.0613**, and the grayscale version is **23.8165, 25.0568, 27.2869**.

A 20% lighter version of the original color is **60.5195, 50.2903, 46.5617**, and **13.1120, 9.1739, 7.5582** is the 20% darker color. If you saturate the color by 10%, you get **28.1957, 20.0250, 15.7977**, and if you desaturate by 10%, it is **34.5279, 29.3525, 28.1959**.

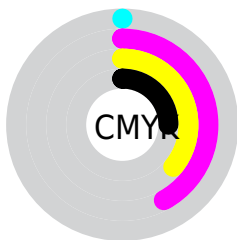
# Distribution



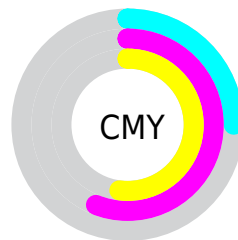
- Red (75%)
- Green (44%)
- Blue (48%)



- Red (75%)
- Yellow (44%)
- Blue (48%)



- Cyan (0%)
- Magenta (42%)
- Yellow (36%)
- Black (25%)




- Cyan (25%)
- Magenta (56%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0453, 24.1999, 21.4471 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 31.0453, 24.1999, 21.4471 by changing the saturation by 10% instead.





 31.0453, 24.1999,  
21.4471


 31.0453, 24.1999,  
21.4471


298.5701,  
273.8296, 272.5038


 20.7853, 15.4820,  
13.2568


 60.6867, 50.3562,  
46.7209


 13.0787, 9.1583,  
7.4728


 80.7989, 68.5634,  
64.6414

 7.5602, 4.8446,  
3.6766


 104.9259, 90.7024,  
86.6424

 3.8642, 2.1564,  
1.4497

 133.4330,  
117.1577, 113.1425

 1.6256, 0.6961,  
0.1800

166.6857,  
148.3137, 144.5601

 0.4090, 0.0000,  
0.0000

205.0492,

 0.0000, 0.0000,

184.5547, 181.3138

0.0000

248.8889,  
226.2652, 223.8222

■ 31.0453, 24.1999,  
21.4471

■ 31.0453, 24.1999,  
21.4471

■ 28.1957, 20.0250,  
15.7977

■ 34.5279, 29.3525,  
28.1959

■ 25.9388, 16.7627,  
11.1878

■ 38.6766, 35.5355,  
36.0969

■ 24.2330, 14.3453,  
7.5541


■ 43.5243, 42.8022,  
45.2008

■ 23.0301, 12.6946,  
4.8255


■ 49.1015, 51.2009,  
55.5553

■ 22.2735, 11.7172,  
2.9211

■ 55.4367, 60.7772,  
67.2052

 21.9031, 11.2724,  
1.8851

 62.5567, 71.5742,  
80.1932

 70.4873, 83.6328,  
94.5600

 75.5483, 89.9465,  
107.9873

# Harmonies

## Analogous

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



30.9761, 24.1999, 32.6411



31.0453, 24.1999, 21.4471



28.7970, 24.1999, 14.0629

# Triad

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



31.0453, 24.1999, 21.4471



18.1726, 24.1999, 13.7732



21.0191, 24.1999, 52.8070

# Complementary

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



31.0453, 24.1999, 21.4471



33.9764, 44.5221, 51.0613

# 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.



18.0405, 24.1999, 44.2747



31.0453, 24.1999, 21.4471



16.5281, 24.1999, 20.9234

# Square

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



31.0453, 24.1999, 21.4471



21.2189, 24.1999, 10.5553



16.4827, 24.1999, 31.9474



24.8808, 24.1999, 53.0654



# Rectangle

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



31.0453, 24.1999, 21.4471



26.4187, 24.1999, 11.3865



16.4827, 24.1999, 31.9474



19.8920, 24.1999, 50.7229

# Sweetspot

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



31.0459, 24.2011, 21.4476



78.3670, 76.8091, 80.9741



34.4437, 25.2594, 52.9296



16.5507, 16.0852, 16.8825



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



31.0459, 24.2011, 21.4476



51.4911, 36.8702, 29.4320



34.2378, 31.5257, 19.6112



10.1233, 10.0979, 10.7397



14.7544, 7.5915, 1.3529



0.6547, 0.3349, 0.1491



# Inverse Universe

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



31.0459, 24.2011, 21.4476



51.4911, 36.8702, 29.4320



29.2356, 33.3278, 54.7615



10.1233, 10.0979, 10.7397



14.7544, 7.5915, 1.3529



0.6547, 0.3349, 0.1491



# Previews

## White Background



This preview shows how the XYZ color 31.0453, 24.1999, 21.4471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

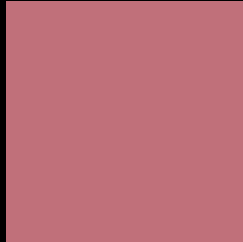
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 31.0453, 24.1999, 21.4471 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

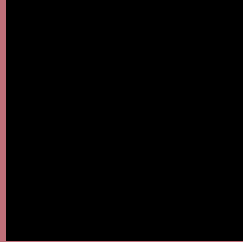
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.0453, 24.1999, 21.4471**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.0453, 24.1999, 21.4471.



This preview shows how white text looks on a background with the XYZ color 31.0453, 24.1999,



# 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

31.0453, 24.1999, 21.4471

### Protanopia

23.4483, 24.4524, 26.0382

### Deuteranopia

24.6388, 24.1672, 20.8189



## Tritanopia

30.9836, 24.1753, 21.1224

# Trichromacy



## Original Color

31.0453, 24.1999, 21.4471

## Protanomaly

25.7192, 24.0596, 24.4075

## Deuteranomaly

26.6216, 23.8468, 20.9691

## Tritanomaly

30.9836, 24.1753, 21.1224

# Monochromacy



## Original Color

31.0453, 24.1999, 21.4471

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

25.7887, 24.2724, 25.1556

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.0453, 24.1999, 21.4471 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(192, 112, 122)` looks like.

```
.text, #text, p{  
    color:rgb(192, 112, 122)  
}
```

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(192, 112, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 112, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 31.0453, 24.1999, 21.4471 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(192, 112, 122) }
```



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

```
.border{ border-color:rgb(192, 112, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 112, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 112, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 112, 122);  
box-shadow:4px 4px 4px 4px rgb(192, 112,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.0453, 24.1999, 21.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 112, 122) }
```

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

```
.background{ background-color: rgb(192,  
112, 122) }
```

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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