

# Converting Colors

XYZ(34.4023, 25.3399, 31.0534)

Have a look what the booklet for  
XYZ(34.4023, 25.3399, 31.0534)  
contains.

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# Color

**XYZ(34.4744, 25.4321,  
31.1089)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C76E94
RGB	199, 110, 148
RGB Percent	78%, 43%, 58%
CMY	0.2196, 0.5686, 0.4196
CMYK	0.00, 0.45, 0.26, 0.22
HSL	334°, 44%, 61%
HSV	334°, 45%, 78%
XYZ	34.4744, 25.4321, 31.1089
YIQ	140.9430, 40.8460, 30.6860

# Conversions

## Conversions Part 2

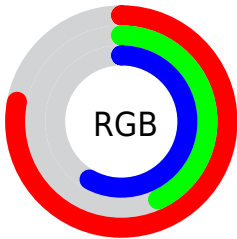
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 110, 148
Decimal	13069972
CIE Lab	57.49, 39.79, -5.01
CIE LCh	57, 40.109, 352.821
Yxy	25.4321, 0.3788, 0.2794
Android (android.graphics.Color)	4291260052 (0xFFC76E94)
YUV	140.9430, 3.4791, 50.9160
Hunter-Lab	50.4302, 33.7707, -1.2730

# Details

The XYZ color **34.4744, 25.4321, 31.1089** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.2880, 46.7357, 40.9869**, and the grayscale version is **25.2714, 26.5875, 28.9538**.

A 20% lighter version of the original color is **64.9979, 51.7187, 62.4341**, and **15.0493, 9.8306, 12.4136** is the 20% darker color. If you saturate the color by 10%, you get **31.7048, 21.2669, 25.9495**, and if you desaturate by 10%, it is **37.8165, 30.5996, 36.8985**.

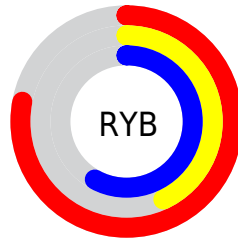
# Distribution



Red (78%)

Green (43%)

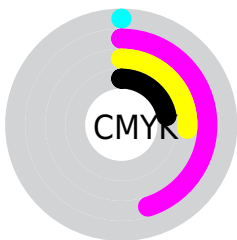
Blue (58%)



Red (78%)

Yellow (43%)

Blue (58%)

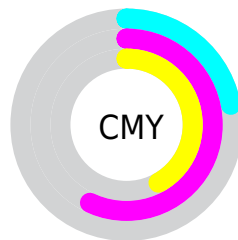


Cyan (0%)

Magenta (45%)

Yellow (26%)

Black (22%)



Cyan (22%)

Magenta (57%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4744, 25.4321, 31.1089 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 34.4744, 25.4321, 31.1089 by changing the saturation by 10% instead.




 34.4744, 25.4321,  
31.1089


 34.4744, 25.4321,  
31.1089


313.7911,  
279.9830, 321.4064


 23.4229, 16.3993,  
20.4226


 66.0101, 52.3574,  
62.4931


 15.0285, 9.8071,  
12.5155


 87.2251, 71.0186,  
84.0280

 8.9258, 5.2713,  
6.9690


 112.5585, 93.6580,  
110.0163

 4.7496, 2.4073,  
3.3646

 142.3758,  
120.6602, 140.8765

 2.1343, 0.8296,  
1.2837

177.0424,  
152.4093, 177.0270

 0.7078, 0.0000,  
0.0483

216.9236,

 0.0000, 0.0000,

189.2899, 218.8865

0.0000

262.3847,  
231.6864, 266.8735

■ 34.4744, 25.4321,  
31.1089

■ 34.4744, 25.4321,  
31.1089

■ 31.7048, 21.2669,  
25.9495

■ 37.8165, 30.5996,  
36.8985

■ 29.4703, 18.0338,  
21.3943

■ 41.7610, 36.8258,  
43.3396

■ 27.7322, 15.6597,  
17.4177


■ 46.3383, 44.1675,  
50.4541


■ 26.4453, 14.0583,  
13.9904


■ 51.5760, 52.6763,  
58.2626


■ 25.5548, 13.1253,  
11.0798


■ 57.4999, 62.4003,  
66.7844

 25.1914, 12.7974,  
9.7286

 64.1345, 73.3854,  
76.0383

 71.5032, 85.6745,  
86.0421

 74.9276, 89.9079,  
95.2462

 76.6685, 90.6043,  
104.4139

# Harmonies

## Analogous

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



32.2508, 25.4321, 46.8150



34.4744, 25.4321, 31.1089



33.6614, 25.4321, 18.6932

# Triad

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



34.4744, 25.4321, 31.1089



20.7833, 25.4321, 9.8377



19.0377, 25.4321, 54.3704

# Complementary

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



34.4744, 25.4321, 31.1089



33.2880, 46.7357, 40.9869

# 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.



16.6588, 25.4321, 39.1936



34.4744, 25.4321, 31.1089



17.5701, 25.4321, 14.6465

# Square

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



34.4744, 25.4321, 31.1089



25.3381, 25.4321, 8.9375



16.1592, 25.4321, 24.5335



23.0431, 25.4321, 62.8318



# Rectangle

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



34.4744, 25.4321, 31.1089



31.5517, 25.4321, 13.3875



16.1592, 25.4321, 24.5335



18.0440, 25.4321, 49.6860

# Sweetspot

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



34.4751, 25.4333, 31.1094



82.4622, 79.4792, 90.3540



30.4698, 22.7952, 56.8269



17.2365, 16.3433, 18.7111



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.



34.4751, 25.4333, 31.1094



55.4816, 37.1907, 45.3751



32.6063, 25.7447, 18.0041



10.8187, 10.7109, 12.0284



16.2405, 8.2458, 6.4766



0.8051, 0.4049, 0.4967



# Inverse Universe

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



34.4751, 25.4333, 31.1094



55.4816, 37.1907, 45.3751



35.8248, 45.6085, 60.9481



10.8187, 10.7109, 12.0284



16.2405, 8.2458, 6.4766

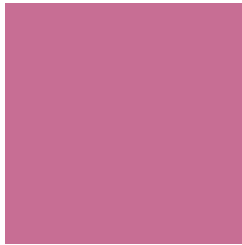


0.8051, 0.4049, 0.4967



# Previews

## White Background



This preview shows how the XYZ color 34.4744, 25.4321, 31.1089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

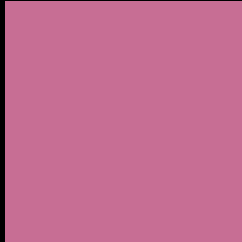
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 34.4744, 25.4321, 31.1089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

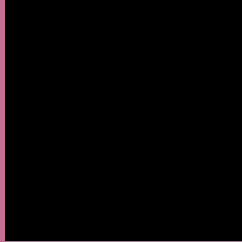
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.4744, 25.4321, 31.1089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4744, 25.4321, 31.1089.



This preview shows how white text looks on a background with the XYZ color 34.4744, 25.4321,



# 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

34.4744, 25.4321, 31.1089

### Protanopia

25.4101, 25.5945, 39.1983

### Deuteranopia

26.1368, 25.5478, 29.9392



## Tritanopia

32.7318, 25.5618, 21.9477

# Trichromacy



## Original Color

34.4744, 25.4321, 31.1089

## Protanomaly

27.7520, 24.8500, 36.1347

## Deuteranomaly

28.5929, 25.0364, 30.1136

## Tritanomaly

33.3587, 25.4820, 24.9901

# Monochromacy



## Original Color

34.4744, 25.4321, 31.1089

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

27.9170, 25.6603, 29.8671

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4744, 25.4321, 31.1089 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(199, 110, 148)` looks like.

```
.text, #text, p{  
    color:rgb(199, 110, 148)  
}
```

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(199, 110, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 110, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4744, 25.4321, 31.1089 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(199, 110, 148) }
```



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

```
.border{ border-color:rgb(199, 110, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 110, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 110, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 110, 148);  
box-shadow:4px 4px 4px 4px rgb(199, 110,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4744, 25.4321, 31.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 110, 148) }
```

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

```
.background{ background-color: rgb(199,  
110, 148) }
```

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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