

# Converting Colors

XYZ(31.6699, 21.4780, 33.3809)

Have a look what the booklet for  
XYZ(31.6699, 21.4780, 33.3809)  
contains.

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# Color

**XYZ(31.5690, 21.4017,  
33.4774)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C05D9B
RGB	192, 93, 155
RGB Percent	75%, 36%, 61%
CMY	0.2471, 0.6353, 0.3922
CMYK	0.00, 0.52, 0.19, 0.25
HSL	322°, 44%, 56%
HSV	322°, 52%, 75%
XYZ	31.5690, 21.4017, 33.4774
YIQ	129.6690, 39.1020, 40.2700

# Conversions

## Conversions Part 2

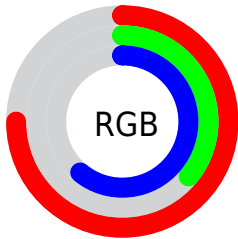
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 93, 155
Decimal	12606875
CIE <sub>Lab</sub>	53.39, 47.19, -15.36
CIE <sub>LCh</sub>	53, 49.623, 341.974
Yxy	21.4017, 0.3652, 0.2476
Android (android.graphics.Color)	4290796955 (0xFFC05D9B)
YUV	129.6690, 12.4882, 54.6643
Hunter-Lab	46.2620, 40.8493, -10.5217

# Details

The XYZ color **31.5690, 21.4017, 33.4774** 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 **27.3941, 41.6389, 27.7142**, and the grayscale version is **21.0497, 22.1459, 24.1169**.

A 20% lighter version of the original color is **61.4909, 45.8446, 66.5807**, and **13.4108, 7.7513, 13.8860** is the 20% darker color. If you saturate the color by 10%, you get **29.5056, 18.2107, 29.9040**, and if you desaturate by 10%, it is **34.0926, 25.4552, 37.3813**.

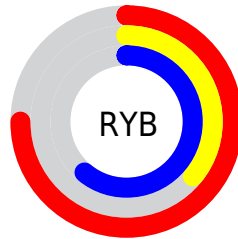
# Distribution



Red (75%)

Green (36%)

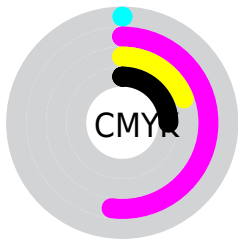
Blue (61%)



Red (75%)

Yellow (36%)

Blue (61%)

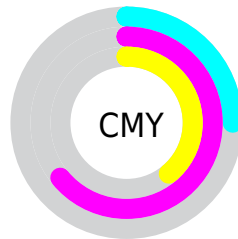


Cyan (0%)

Magenta (52%)

Yellow (19%)

Black (25%)



Cyan (25%)

Magenta (64%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5690, 21.4017, 33.4774 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 31.5690, 21.4017, 33.4774 by changing the saturation by 10% instead.




 31.5690, 21.4017,  
33.4774


 31.5690, 21.4017,  
33.4774


300.9315,  
259.4057, 332.4932


 21.1865, 13.4179,  
22.2183


 61.5046, 45.7551,  
66.2447


 13.3736, 7.7170,  
13.8175


 81.7883, 62.8936,  
88.5901

 7.7651, 3.9144,  
7.8566

 106.1032, 83.8524,  
115.4679

 3.9955, 1.6258,  
3.9169

 134.8145,  
109.0160, 147.2967

 1.6996, 0.3749,  
1.5798

168.2876,  
138.7687, 184.4951

 0.4560, 0.0000,  
0.2764

206.8879,

 0.0000, 0.0000,

173.4949, 227.4817

0.0000

250.9808,  
213.5791, 276.6748

■ 31.5690, 21.4017,  
33.4774

■ 31.5690, 21.4017,  
33.4774

■ 29.5056, 18.2107,  
29.9040

■ 34.0926, 25.4552,  
37.3813

■ 27.8675, 15.8142,  
26.6460

■ 37.1039, 30.4261,  
41.6272

■ 26.6178, 14.1391,  
23.6879

■ 40.6305, 36.3685,  
46.2276

■ 25.7118, 13.0973,  
21.0118

■ 44.6975, 43.3314,  
51.1935

■ 25.1431, 12.5685,  
18.9463

■ 49.3281, 51.3605,  
56.5354

■ 54.5441, 60.4985,  
62.2634

■ 60.3662, 70.7859,  
68.3869

■ 66.8141, 82.2613,  
74.9152

■ 70.3619, 87.8720,  
80.6754

# Harmonies

## Analogous

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



27.8926, 21.4017, 52.1932



31.5690, 21.4017, 33.4774



31.9413, 21.4017, 17.7896

# Triad

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



31.5690, 21.4017, 33.4774



18.3125, 21.4017, 4.8894



13.7044, 21.4017, 48.5742

# Complementary

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



31.5690, 21.4017, 33.4774



27.3941, 41.6389, 27.7142

# 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.



11.9574, 21.4017, 29.8515



31.5690, 21.4017, 33.4774



14.2936, 21.4017, 7.7091

# Square

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



31.5690, 21.4017, 33.4774



23.6386, 21.4017, 5.1746



12.1526, 21.4017, 15.4319



17.3665, 21.4017, 63.1843



# Rectangle

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



31.5690, 21.4017, 33.4774



30.1965, 21.4017, 11.0732



12.1526, 21.4017, 15.4319



12.9047, 21.4017, 42.2781

# Sweetspot

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



31.5697, 21.4027, 33.4778



78.1602, 73.6500, 89.3693



22.5287, 16.3263, 51.8335



16.4309, 15.2231, 18.7617



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.



31.5697, 21.4027, 33.4778



52.9907, 32.2885, 53.3033



28.2654, 20.0810, 16.0778



10.3325, 10.1816, 11.8413



16.9572, 8.4726, 12.9526



0.7652, 0.3791, 0.7307



# Inverse Universe

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



31.5697, 21.4027, 33.4778



52.9907, 32.2885, 53.3033



31.4811, 43.2737, 49.2360



10.3325, 10.1816, 11.8413



16.9572, 8.4726, 12.9526



0.7652, 0.3791, 0.7307



# Previews

## White Background



This preview shows how the XYZ color 31.5690, 21.4017, 33.4774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

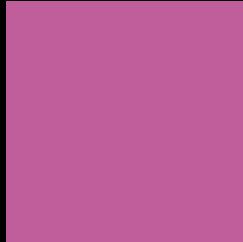
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 31.5690, 21.4017, 33.4774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

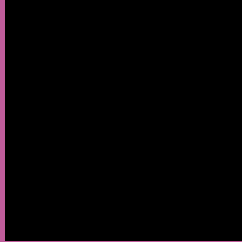
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.5690, 21.4017, 33.4774**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.5690, 21.4017, 33.4774.



This preview shows how white text looks on a background with the XYZ color 31.5690, 21.4017,



# 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

31.5690, 21.4017, 33.4774

### Protanopia

22.2796, 21.6211, 45.6469

### Deuteranopia

22.0446, 21.6151, 31.8644



## Tritanopia

28.4038, 21.5177, 17.4081

# Trichromacy



## Original Color

31.5690, 21.4017, 33.4774

## Protanomaly

24.2575, 20.5996, 40.7278

## Deuteranomaly

24.7095, 20.8496, 32.4278

## Tritanomaly

29.2140, 21.2489, 22.3004

# Monochromacy



## Original Color

31.5690, 21.4017, 33.4774

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

24.1584, 21.3590, 27.2755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.5690, 21.4017, 33.4774 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, 93, 155)` looks like.

```
.text, #text, p{  
    color:rgb(192, 93, 155)  
}
```

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, 93, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 93, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 31.5690, 21.4017, 33.4774 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, 93, 155) }
```



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

```
.border{ border-color:rgb(192, 93, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 93, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 93, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 93, 155);  
box-shadow:4px 4px 4px 4px rgb(192, 93,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.5690, 21.4017, 33.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 93, 155) }
```

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

```
.background{ background-color: rgb(192, 93,  
155) }
```

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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