

Converting Colors

XYZ(31.9020, 17.6271, 35.0320)

Have a look what the booklet for
XYZ(31.9020, 17.6271, 35.0320)
contains.

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Color

**XYZ(31.9754, 17.6408,
34.9774)**

Conversions

Conversions Part 1

Format	Color
Hex	CA35A0
RGB	202, 53, 160
RGB Percent	79%, 21%, 63%
CMY	0.2078, 0.7921, 0.3725
CMYK	0.00, 0.74, 0.21, 0.21
HSL	317°, 58%, 50%
HSV	317°, 74%, 79%
XYZ	31.9754, 17.6408, 34.9774
YIQ	109.7490, 54.4570, 64.8650

Conversions

Conversions Part 2

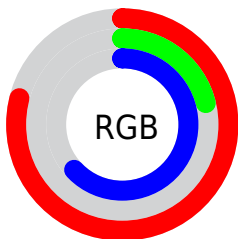
Format	Color
R_{YB}	202, 53, 160
Decimal	13252000
CIE _{Lab}	49.06, 67.33, -24.81
CIE _{LCh}	49, 71.751, 339.774
Yxy	17.6408, 0.3780, 0.2085
Android (android.graphics.Color)	4291442080 (0xFFCA35A0)
YUV	109.7490, 24.7737, 80.9041
Hunter-Lab	42.0010, 62.3907, -19.9746

Details

The XYZ color **31.9754, 17.6408, 34.9774** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.6553, 43.8249, 17.9881**, and the grayscale version is **14.6708, 15.4348, 16.8085**.

A 20% lighter version of the original color is **59.4109, 37.9766, 68.4889**, and **14.2084, 7.0120, 14.7919** is the 20% darker color. If you saturate the color by 10%, you get **30.7541, 15.9771, 32.1686**, and if you desaturate by 10%, it is **33.6085, 20.0912, 38.0363**.

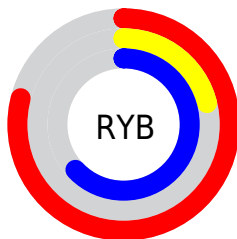
Distribution



Red (79%)

Green (21%)

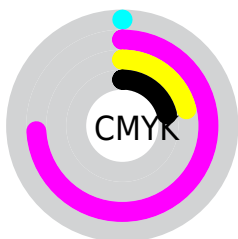
Blue (63%)



Red (79%)

Yellow (21%)

Blue (63%)

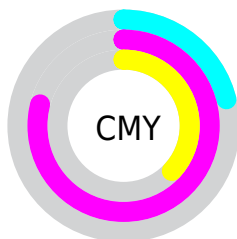


Cyan (0%)

Magenta (74%)

Yellow (21%)

Black (21%)



Cyan (21%)


Magenta (79%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9754, 17.6408, 34.9774 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 31.9754, 17.6408, 34.9774 by changing the saturation by 10% instead.


 31.9754, 17.6408,
34.9774


 31.9754, 17.6408,
34.9774


302.7545,
238.8385, 339.3698


 21.4982, 10.6924,
23.3621


 62.1380, 39.4243,
68.6019

 13.6032, 5.8604,
14.6533


 82.5540, 55.0282,
91.4482


 7.9250, 2.7604,
8.4325


 107.0137, 74.2861,
118.8752

 4.0984, 1.0080,
4.2812

 135.8824, 97.5823,
151.3014

 1.7580, 0.0000,
1.7808

 169.5255,
125.3012, 189.1455

 0.4921, 0.0000,
0.4153

208.3083,

 0.0000, 0.0000,

157.8273, 232.8258

0.0000

252.5962,
195.5450, 282.7611

■ 31.9754, 17.6408,
34.9774

■ 31.9754, 17.6408,
34.9774

■ 30.7541, 15.9771,
32.1686

■ 33.6085, 20.0912,
38.0363

■ 29.8901, 14.9921,
29.5899

■ 35.6954, 23.4124,
41.3604

■ 29.4726, 14.6028,
28.0765

■ 38.2747, 27.6808,
44.9641

■ 41.3801, 32.9637,
48.8601

■ 45.0424, 39.3220,
53.0600

■ 49.2900, 46.8120,
57.5746

■ 54.1493, 55.4861,
62.4141

■ 59.6448, 65.3932,
67.5880

■ 65.8001, 76.5797,
73.1053

Harmonies

Analogous

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



26.4224, 17.6408, 63.7480



31.9754, 17.6408, 34.9774



32.9177, 17.6408, 13.6054

Triad

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



31.9754, 17.6408, 34.9774



14.6757, 17.6408, 0.9699



8.6929, 17.6408, 53.7560

Complementary

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



31.9754, 17.6408, 34.9774



24.6553, 43.8249, 17.9881

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.



7.0128, 17.6408, 26.1692



31.9754, 17.6408, 34.9774



9.8074, 17.6408, 2.5235

Square

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



31.9754, 17.6408, 34.9774



21.6220, 17.6408, 1.2272



7.3577, 17.6408, 9.0748



12.6994, 17.6408, 78.7084

Rectangle

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



31.9754, 17.6408, 34.9774



30.6033, 17.6408, 6.1025



7.3577, 17.6408, 9.0748



7.8930, 17.6408, 43.9413

Sweetspot

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



31.9760, 17.6417, 34.9777



77.2479, 68.3038, 90.9178



16.4221, 9.1249, 56.7733



16.1402, 13.9300, 19.0260



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.



31.9760, 17.6417, 34.9777



51.0630, 25.8555, 51.6032



27.3829, 15.8045, 10.7907



11.5474, 11.3477, 13.4174



19.0048, 9.4125, 18.2760



1.0119, 0.4982, 1.1083

Inverse Universe

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



31.9760, 17.6417, 34.9777



51.0630, 25.8555, 51.6032



29.5862, 45.7972, 43.9540



11.5474, 11.3477, 13.4174



19.0048, 9.4125, 18.2760



1.0119, 0.4982, 1.1083

Previews

White Background



This preview shows how the XYZ color 31.9754, 17.6408, 34.9774 looks on a white background.

Color Contrast Check

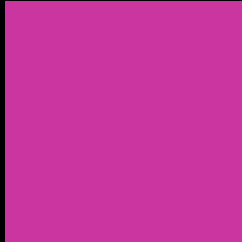
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.9754, 17.6408, 34.9774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

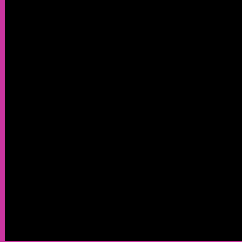
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9754, 17.6408, 34.9774

Background



This preview shows how black text looks on a background with the XYZ color 31.9754, 17.6408, 34.9774.



This preview shows how white text looks on a background with the XYZ color 31.9754, 17.6408,

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

31.9754, 17.6408, 34.9774

Protanopia

20.2736, 18.0545, 62.7379

Deuteranopia

18.1471, 17.8108, 31.7595



Tritanopia

26.7531, 17.6601, 9.9813

Trichromacy



Original Color

31.9754, 17.6408, 34.9774

Protanomaly

20.9768, 15.4089, 51.1588

Deuteranomaly

20.9876, 15.8270, 32.5206

Tritanomaly

28.2313, 17.3878, 16.6201

Monochromacy



Original Color

31.9754, 17.6408, 34.9774

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.7964, 14.5429, 22.2385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9754, 17.6408, 34.9774 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, 53, 160)` looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 160)  
}
```

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, 53, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.9754, 17.6408, 34.9774 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, 53, 160) }
```


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

```
.border{ border-color:rgb(202, 53, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 53, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 160);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9754, 17.6408, 34.9774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 53, 160) }
```

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

```
.background{ background-color: rgb(202, 53,  
160) }
```

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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