

Converting Colors

XYZ(31.7566, 17.7234, 42.3046)

Have a look what the booklet for
XYZ(31.7566, 17.7234, 42.3046)
contains.

XYZ(31.7566, 17.7234, 42.3046)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7566, 17.7234,
42.3046)**

Conversions

Conversions Part 1

Format	Color
Hex	C33AAF
RGB	195, 58, 175
RGB Percent	76%, 23%, 69%
CMY	0.2353, 0.7725, 0.3137
CMYK	0.00, 0.70, 0.10, 0.24
HSL	309°, 54%, 50%
HSV	309°, 70%, 76%
XYZ	31.7566, 17.7234, 42.3046
YIQ	112.3010, 44.0950, 65.4310

Conversions

Conversions Part 2

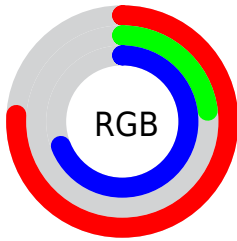
Format	Color
R_{YB}	195, 58, 175
Decimal	12794543
CIE _{Lab}	49.16, 66.09, -33.60
CIE _{LCh}	49, 74.143, 333.055
Yxy	17.7234, 0.3460, 0.1931
Android (android.graphics.Color)	4290984623 (0xFFC33AAF)
YUV	112.3010, 30.9106, 72.5270
Hunter-Lab	42.0992, 60.9741, -30.1099

Details

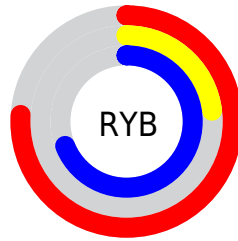
The XYZ color **31.7566, 17.7234, 42.3046** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **22.6361, 40.4805, 13.8297**, and the grayscale version is **15.3935, 16.1952, 17.6365**.

A 20% lighter version of the original color is **62.0251, 39.7521, 80.0051**, and **13.9941, 6.8084, 18.9889** is the 20% darker color. If you saturate the color by 10%, you get **30.6765, 16.0056, 40.5796**, and if you desaturate by 10%, it is **33.2160, 20.1895, 44.1854**.

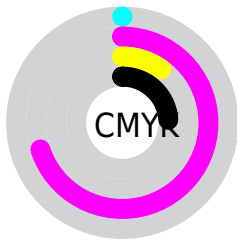
Distribution



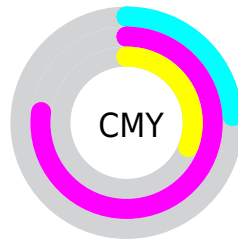
- Red (76%)
- Green (23%)
- Blue (69%)



- Red (76%)
- Yellow (23%)
- Blue (69%)



- Cyan (0%)
- Magenta (70%)
- Yellow (10%)
- Black (24%)



- Cyan (24%)
- Magenta (77%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7566, 17.7234, 42.3046 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 31.7566, 17.7234, 42.3046 by changing the saturation by 10% instead.

31.7566, 17.7234,
42.3046

31.7566, 17.7234,
42.3046

301.7740,
239.3073, 371.5809

21.3303, 10.7516,
29.0125

61.7971, 39.5654,
79.9355

13.4795, 5.9001,
18.8446

82.1420, 55.2045,
105.1114

7.8388, 2.7844,
11.3824

106.5238, 74.5013,
135.0856

4.0429, 1.0202,
6.2073

135.3079, 97.8404,
170.2767

1.7264, 0.0000,
2.9007

168.8596,
125.6062, 211.1033

0.4727, 0.0000,
1.0442

207.5443,

0.0000, 0.0000,

158.1830, 257.9838

0.0000

251.7273,
195.9553, 311.3368

■ 31.7566, 17.7234,
42.3046

■ 31.7566, 17.7234,
42.3046

■ 30.6765, 16.0056,
40.5796

■ 33.2160, 20.1895,
44.1854

■ 29.9291, 14.9443,
38.9942

■ 35.0904, 23.4767,
46.2337

■ 29.4377, 14.3749,
37.5556

■ 37.4137, 27.6519,
48.4611

■ 40.2154, 32.7745,
50.8775

■ 43.5228, 38.8987,
53.4923

■ 47.3610, 46.0747,
56.3139

■ 51.7533, 54.3493,
59.3504

■ 56.7218, 63.7664,
62.6092

■ 62.2872, 74.3676,
66.0975

Harmonies

Analogous

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



25.2205, 17.7234, 72.3014



31.7566, 17.7234, 42.3046



33.9881, 17.7234, 17.3322

Triad

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



31.7566, 17.7234, 42.3046



16.1445, 17.7234, 0.7494



7.9554, 17.7234, 48.5402

Complementary

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



31.7566, 17.7234, 42.3046



22.6361, 40.4805, 13.8297

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.



6.7268, 17.7234, 21.4066



31.7566, 17.7234, 42.3046



10.5662, 17.7234, 1.7218

Square

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



31.7566, 17.7234, 42.3046



23.6428, 17.7234, 1.3464



7.5320, 17.7234, 6.6460



11.4946, 17.7234, 77.3258

Rectangle

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



31.7566, 17.7234, 42.3046



32.3442, 17.7234, 7.8690



7.5320, 17.7234, 6.6460



7.3104, 17.7234, 38.4610

Sweetspot

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



31.7572, 17.7243, 42.3049



77.2690, 68.4020, 95.2847



14.3661, 8.5148, 52.5166



16.5413, 14.2742, 20.5719



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.



31.7572, 17.7243, 42.3049



54.1967, 27.5703, 71.2148



26.7388, 15.7169, 15.8784



10.4320, 10.2214, 12.3656



19.1569, 9.3525, 24.5361



0.8453, 0.4111, 1.1530

Inverse Universe

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



31.7572, 17.7243, 42.3049



54.1967, 27.5703, 71.2148



26.3538, 41.9676, 33.4067



10.4320, 10.2214, 12.3656



19.1569, 9.3525, 24.5361



0.8453, 0.4111, 1.1530

Previews

White Background



This preview shows how the XYZ color 31.7566, 17.7234, 42.3046 looks on a white background.

Color Contrast Check

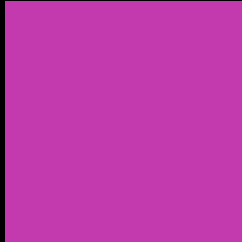
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7566, 17.7234, 42.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

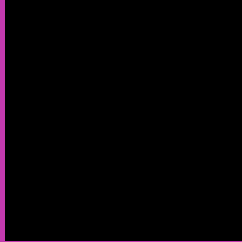
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7566, 17.7234, 42.3046

Background



This preview shows how black text looks on a background with the XYZ color 31.7566, 17.7234, 42.3046.



This preview shows how white text looks on a background with the XYZ color 31.7566, 17.7234,

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

31.7566, 17.7234, 42.3046

Protanopia

21.1027, 18.2572, 72.9328

Deuteranopia

18.3839, 17.9533, 38.5728



Tritanopia

25.3865, 17.6914, 11.9743

Trichromacy



Original Color

31.7566, 17.7234, 42.3046

Protanomaly

21.2067, 15.5874, 60.2835

Deuteranomaly

21.2453, 16.1999, 39.5433

Tritanomaly

27.0152, 17.2561, 20.3193

Monochromacy



Original Color

31.7566, 17.7234, 42.3046

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.3556, 15.1543, 24.8266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7566, 17.7234, 42.3046 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(195, 58, 175)` looks like.

```
.text, #text, p{  
    color:rgb(195, 58, 175)  
}
```

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(195, 58, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 58, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.7566, 17.7234, 42.3046 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(195, 58, 175) }
```


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

```
.border{ border-color:rgb(195, 58, 175) }
```

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

Here you see how a box with a 4 pixel rgb(195, 58, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 58, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 58, 175);  
box-shadow:4px 4px 4px 4px rgb(195, 58,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7566, 17.7234, 42.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 58, 175) }
```

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

```
.background{ background-color: rgb(195, 58,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor