

Converting Colors

XYZ(31.9554, 16.5222, 38.9079)

Have a look what the booklet for
XYZ(31.9554, 16.5222, 38.9079)
contains.

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Color

**XYZ(32.1196, 16.6232,
39.0518)**

Conversions

Conversions Part 1

Format	Color
Hex	CA23A9
RGB	202, 35, 169
RGB Percent	79%, 14%, 66%
CMY	0.2078, 0.8627, 0.3373
CMYK	0.00, 0.83, 0.16, 0.21
HSL	312°, 70%, 46%
HSV	312°, 83%, 79%
XYZ	32.1196, 16.6232, 39.0518
YIQ	100.2090, 56.5180, 77.0780

Conversions

Conversions Part 2

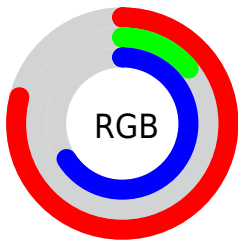
Format	Color
RYB	202, 35, 169
Decimal	13247401
CIELab	47.78, 73.35, -32.13
CIELCh	48, 80.076, 336.344
Yxy	16.6232, 0.3658, 0.1893
Android (android.graphics.Color)	4291437481 (0xFFCA23A9)
YUV	100.2090, 33.9140, 89.2707
Hunter-Lab	40.7716, 69.2710, -28.2490

Details

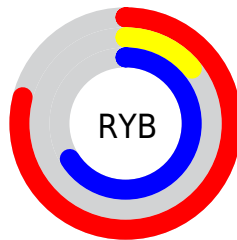
The XYZ color **32.1196, 16.6232, 39.0518** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **22.8580, 43.0165, 12.5692**, and the grayscale version is **12.0741, 12.7029, 13.8335**.

A 20% lighter version of the original color is **59.5820, 36.1990, 75.0809**, and **14.4801, 7.1006, 17.1304** is the 20% darker color. If you saturate the color by 10%, you get **31.3178, 15.6099, 36.9637**, and if you desaturate by 10%, it is **33.2757, 18.3261, 41.3147**.

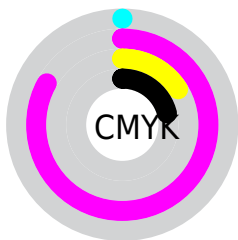
Distribution



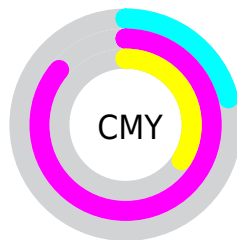
- Red (79%)
- Green (14%)
- Blue (66%)



- Red (79%)
- Yellow (14%)
- Blue (66%)



- Cyan (0%)
- Magenta (83%)
- Yellow (16%)
- Black (21%)





- Cyan (21%)
- Magenta (86%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1196, 16.6232, 39.0518 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 32.1196, 16.6232, 39.0518 by changing the saturation by 10% instead.

 32.1196, 16.6232,
39.0518


 32.1196, 16.6232,
39.0518


303.3993,
232.9915, 357.5432

 21.6089, 9.9662,
26.4919


 62.3625, 37.6768,
74.9387


 13.6848, 5.3766,
16.9629


 82.8253, 52.8422,
99.1027


 7.9820, 2.4699,
10.0464

 107.3362, 71.6125,
127.9718

 4.1351, 0.8615,
5.3237

 136.2605, 94.3721,
161.9646

 1.7789, 0.0000,
2.3764

 169.9637,
121.5054, 201.4996

 0.5049, 0.0000,
0.7735

 208.8109,

 0.0000, 0.0000,

153.3968, 246.9954

0.0000

253.1677,
190.4307, 298.8704

■ 32.1196, 16.6232,
39.0518

■ 32.1196, 16.6232,
39.0518

■ 31.3178, 15.6099,
36.9637

■ 33.2757, 18.3261,
41.3147

■ 30.8861, 15.1682,
35.5201

■ 34.8357, 20.8187,
43.7691

■ 36.8430, 24.1871,
46.4300

■ 39.3347, 28.5058,
49.3103

■ 42.3443, 33.8410,
52.4216

■ 45.9018, 40.2532,
55.7744

■ 50.0354, 47.7982,
59.3785

■ 54.7709, 56.5277,
63.2431

■ 60.1328, 66.4904,
67.3766

Harmonies

Analogous

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



25.4752, 16.6232, 72.2795



32.1196, 16.6232, 39.0518



33.8768, 16.6232, 14.0731

Triad

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



32.1196, 16.6232, 39.0518



14.3229, 16.6232, 0.1955



7.0844, 16.6232, 53.0983

Complementary

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



32.1196, 16.6232, 39.0518



22.8580, 43.0165, 12.5692

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.



5.6673, 16.6232, 22.8296



32.1196, 16.6232, 39.0518



8.9491, 16.6232, 1.2795

Square

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



32.1196, 16.6232, 39.0518



22.0121, 16.6232, 0.6317



6.2278, 16.6232, 6.4187



10.8824, 16.6232, 83.8432

Rectangle

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



32.1196, 16.6232, 39.0518



31.6824, 16.6232, 5.6129



6.2278, 16.6232, 6.4187



6.3761, 16.6232, 41.9259

Sweetspot

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



32.1202, 16.6240, 39.0521



76.0128, 65.0657, 92.8737



13.4839, 6.6124, 56.4432



15.8069, 13.0916, 19.4443



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.



32.1202, 16.6240, 39.0521



52.3005, 25.7285, 60.0371



26.7157, 14.4623, 10.5925



11.5888, 11.3643, 13.6353



19.9068, 9.7733, 23.0255



1.0518, 0.5141, 1.3189

Inverse Universe

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



32.1202, 16.6240, 39.0521



52.3005, 25.7285, 60.0371



27.2488, 44.7727, 35.6903



11.5888, 11.3643, 13.6353



19.9068, 9.7733, 23.0255



1.0518, 0.5141, 1.3189

Previews

White Background



This preview shows how the XYZ color 32.1196, 16.6232, 39.0518 looks on a white background.

Color Contrast Check

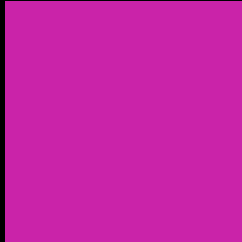
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1196, 16.6232, 39.0518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

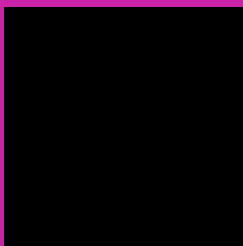
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.1196, 16.6232, 39.0518

Background



This preview shows how black text looks on a background with the XYZ color 32.1196, 16.6232, 39.0518.



This preview shows how white text looks on a background with the XYZ color 32.1196, 16.6232,

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

32.1196, 16.6232, 39.0518

Protanopia

20.3943, 17.1411, 77.0966

Deuteranopia

17.3087, 16.9661, 35.1634



Tritanopia

25.9051, 16.6399, 8.8677

Trichromacy



Original Color

32.1196, 16.6232, 39.0518



Protanomaly

18.9926, 13.0677, 61.1958



Deuteranomaly

20.0127, 14.3756, 36.3703



Tritanomaly

27.4044, 16.1240, 16.4197

Monochromacy



Original Color

32.1196, 16.6232, 39.0518



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

16.6026, 11.9679, 20.8370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1196, 16.6232, 39.0518 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, 35, 169)` looks like.

```
.text, #text, p{  
    color:rgb(202, 35, 169)  
}
```

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, 35, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 35, 169) }
```

Border

The CSS property to change the border of an element to XYZ 32.1196, 16.6232, 39.0518 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, 35, 169) }
```


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

```
.border{ border-color:rgb(202, 35, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 35, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 35, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 35, 169); box-shadow:4px 4px 4px 4px rgb(202, 35, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1196, 16.6232, 39.0518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 35, 169) }
```

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

```
.background{ background-color: rgb(202, 35,  
169) }
```

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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