

Converting Colors

XYZ(32.2914, 16.0507, 39.2832)

Have a look what the booklet for
XYZ(32.2914, 16.0507, 39.2832)
contains.

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Color

**XYZ(32.3146, 16.0537,
39.4257)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0EAA
RGB	204, 14, 170
RGB Percent	80%, 5%, 67%
CMY	0.2000, 0.9450, 0.3333
CMYK	0.00, 0.93, 0.17, 0.20
HSL	311°, 87%, 43%
HSV	311°, 93%, 80%
XYZ	32.3146, 16.0537, 39.4257
YIQ	88.5940, 63.1640, 88.7960

Conversions

Conversions Part 2

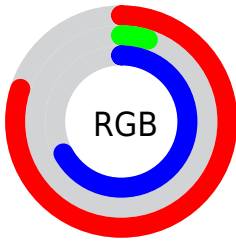
Format	Color
R_YB	204, 14, 170
Decimal	13373098
CIE _{Lab}	47.04, 77.23, -33.85
CIE _{LCh}	47, 84.321, 336.329
Yxy	16.0537, 0.3681, 0.1829
Android (android.graphics.Color)	4291563178 (0xFFCC0EAA)
YUV	88.5940, 40.1332, 101.2111
Hunter-Lab	40.0671, 73.8451, -30.2940

Details

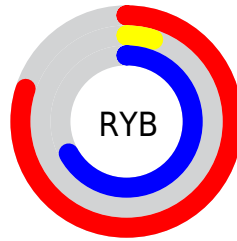
The XYZ color **32.3146, 16.0537, 39.4257** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.3086, 43.4933, 10.0183**, and the grayscale version is **9.3139, 9.7989, 10.6711**.

A 20% lighter version of the original color is **58.9702, 34.7564, 75.5521**, and **14.8879, 7.3041, 17.4548** is the 20% darker color. If you saturate the color by 10%, you get **31.9225, 15.6457, 38.1347**, and if you desaturate by 10%, it is **33.0923, 17.0484, 41.4129**.

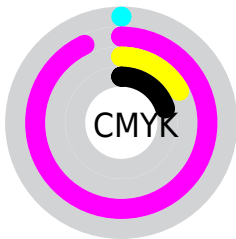
Distribution



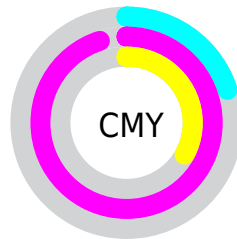
- Red (80%)
- Green (5%)
- Blue (67%)



- Red (80%)
- Yellow (5%)
- Blue (67%)



- Cyan (0%)
- Magenta (93%)
- Yellow (17%)
- Black (20%)





- Cyan (20%)
- Magenta (95%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3146, 16.0537, 39.4257 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 32.3146, 16.0537, 39.4257 by changing the saturation by 10% instead.

 32.3146, 16.0537,
39.4257


 32.3146, 16.0537,
39.4257


304.2698,
229.6584, 359.1769

 21.7586, 9.5622,
26.7807


 62.6658, 36.6914,
75.5157


 13.7953, 5.1096,
17.1776


 83.1918, 51.6064,
99.7977


 8.0591, 2.3117,
10.1979


 107.7718, 70.0979,
128.7959

 4.1849, 0.7799,
5.4231

 136.7712, 92.5504,
162.9286

 1.8073, 0.0000,
2.4345

 170.5553,
119.3484, 202.6146

 0.5221, 0.0000,
0.8051

 209.4895,

 0.0000, 0.0000,

150.8761, 248.2722

0.0000

253.9392,
187.5179, 300.3202

■ 32.3146, 16.0537,
39.4257

■ 32.3146, 16.0537,
39.4257

■ 31.9225, 15.6457,
38.1347

■ 33.0923, 17.0484,
41.4129

■ 34.2260, 18.7397,
43.5664

■ 35.7692, 21.2345,
45.9045

■ 37.7661, 24.6211,
48.4422

■ 40.2551, 28.9760,
51.1928

■ 43.2703, 34.3675,
54.1680

■ 46.8431, 40.8578,
57.3785

■ 51.0019, 48.5042,
60.8342

■ 55.7735, 57.3598,
64.5444

Harmonies

Analogous

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



25.3149, 16.0537, 74.9987



32.3146, 16.0537, 39.4257



34.1772, 16.0537, 13.3677

Triad

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



32.3146, 16.0537, 39.4257



13.7456, 16.0537, 0.0000



6.4377, 16.0537, 54.3507

Complementary

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



32.3146, 16.0537, 39.4257



22.3086, 43.4933, 10.0183

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.



5.0475, 16.0537, 22.3588



32.3146, 16.0537, 39.4257



8.2959, 16.0537, 0.9215

Square

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



32.3146, 16.0537, 39.4257



21.7010, 16.0537, 0.2716



5.5964, 16.0537, 5.7064



10.2369, 16.0537, 87.4743

Rectangle

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



32.3146, 16.0537, 39.4257



31.8574, 16.0537, 4.9332



5.5964, 16.0537, 5.7064



5.7404, 16.0537, 42.4417

Sweetspot

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



32.3152, 16.0545, 39.4260



74.3578, 61.7991, 92.1881



12.1692, 5.2480, 57.4988



15.3835, 12.2643, 19.2436



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.



32.3152, 16.0545, 39.4260



52.7935, 25.8814, 62.7699



26.4114, 13.6930, 8.3372



11.5980, 11.3679, 13.6839



20.1235, 9.8600, 24.1669



1.0613, 0.5179, 1.3685

Inverse Universe

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



32.3152, 16.0545, 39.4260



52.7935, 25.8814, 62.7699



26.5582, 45.1931, 32.3963



11.5980, 11.3679, 13.6839



20.1235, 9.8600, 24.1669



1.0613, 0.5179, 1.3685

Previews

White Background



This preview shows how the XYZ color 32.3146, 16.0537, 39.4257 looks on a white background.

Color Contrast Check

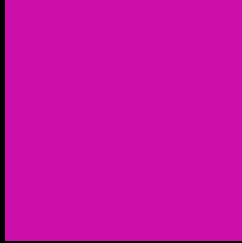
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3146, 16.0537, 39.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

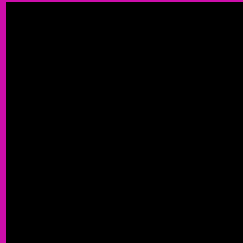
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.3146, 16.0537, 39.4257

Background



This preview shows how black text looks on a background with the XYZ color 32.3146, 16.0537, 39.4257.



This preview shows how white text looks on a background with the XYZ color 32.3146, 16.0537,

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

32.3146, 16.0537, 39.4257

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

16.9632, 16.6132, 35.5703



Tritanopia

25.7425, 16.2042, 7.9018

Trichromacy



Original Color

32.3146, 16.0537, 39.4257



Protanomaly

16.7814, 10.9569, 61.5520



Deuteranomaly

19.2770, 13.0001, 36.6152



Tritanomaly

27.0524, 15.2024, 15.6959

Monochromacy



Original Color

32.3146, 16.0537, 39.4257



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

14.3527, 9.5785, 18.2319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3146, 16.0537, 39.4257 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(204, 14, 170)` looks like.

```
.text, #text, p{  
    color:rgb(204, 14, 170)  
}
```

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(204, 14, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 14, 170) }
```

Border

The CSS property to change the border of an element to XYZ 32.3146, 16.0537, 39.4257 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(204, 14, 170) }
```


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

```
.border{ border-color:rgb(204, 14, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 14, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 14, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 14, 170);  
box-shadow:4px 4px 4px 4px rgb(204, 14,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3146, 16.0537, 39.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 14, 170) }
```

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

```
.background{ background-color: rgb(204, 14,  
170) }
```

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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