

Converting Colors

XYZ(32.3786, 16.2309, 39.7196)

Have a look what the booklet for
XYZ(32.3786, 16.2309, 39.7196)
contains.

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Color

**XYZ(32.5027, 16.2780,
39.9570)**

Conversions

Conversions Part 1

Format	Color
Hex	CC14AB
RGB	204, 20, 171
RGB Percent	80%, 8%, 67%
CMY	0.2000, 0.9215, 0.3294
CMYK	0.00, 0.90, 0.16, 0.20
HSL	311°, 82%, 44%
HSV	311°, 90%, 80%
XYZ	32.5027, 16.2780, 39.9570
YIQ	92.2300, 61.1930, 85.9690

Conversions

Conversions Part 2

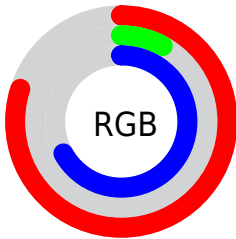
Format	Color
RYB	204, 20, 171
Decimal	13374635
CIELab	47.34, 76.64, -33.99
CIELCh	47, 83.840, 336.086
Yxy	16.2780, 0.3663, 0.1834
Android (android.graphics.Color)	4291564715 (0xFFCC14AB)
YUV	92.2300, 38.8336, 98.0223
Hunter-Lab	40.3460, 73.1939, -30.4761

Details

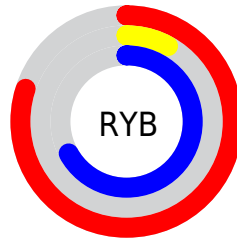
The XYZ color **32.5027, 16.2780, 39.9570** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.5251, 43.5922, 10.5978**, and the grayscale version is **10.1319, 10.6595, 11.6082**.

A 20% lighter version of the original color is **59.2880, 35.1718, 76.3371**, and **14.9471, 7.3277, 17.7661** is the 20% darker color. If you saturate the color by 10%, you get **31.9150, 15.6426, 38.0950**, and if you desaturate by 10%, it is **33.3796, 17.4654, 41.9942**.

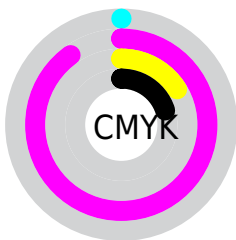
Distribution



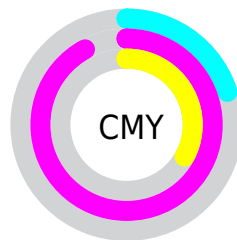
- Red (80%)
- Green (8%)
- Blue (67%)



- Red (80%)
- Yellow (8%)
- Blue (67%)



- Cyan (0%)
- Magenta (90%)
- Yellow (16%)
- Black (20%)





- Cyan (20%)
- Magenta (92%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5027, 16.2780, 39.9570 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 32.5027, 16.2780, 39.9570 by changing the saturation by 10% instead.


 32.5027, 16.2780,
39.9570

 32.5027, 16.2780,
39.9570


305.1076,
230.9766, 361.4890


 21.9032, 9.7211,
27.1915


 62.9582, 37.0802,
76.3344


 13.9020, 5.2144,
17.4834


 83.5449, 52.0942,
100.7834


 8.1338, 2.3736,
10.4141


 108.1914, 70.6960,
129.9639

 4.2332, 0.8123,
5.5652

 137.2630, 93.2701,
164.2946

 1.8349, 0.0000,
2.5181

 171.1250,
120.2008, 204.1938

 0.5386, 0.0000,
0.8497

 210.1429,

 0.0000, 0.0000,

151.8725, 250.0803

0.0000

254.6820,
188.6697, 302.3725

■ 32.5027, 16.2780,
39.9570

■ 32.5027, 16.2780,
39.9570

■ 31.9150, 15.6426,
38.0950

■ 33.3796, 17.4654,
41.9942

■ 34.6292, 19.3831,
44.2036

■ 36.3022, 22.1319,
46.6025

■ 38.4407, 25.7958,
49.2054

■ 41.0818, 30.4490,
52.0248

■ 44.2586, 36.1576,
55.0724

■ 48.0016, 42.9824,
58.3585

■ 52.3388, 50.9792,
61.8928

■ 57.2963, 60.2003,
65.6845

Harmonies

Analogous

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



25.4775, 16.2780, 75.4168



32.5027, 16.2780, 39.9570



34.4144, 16.2780, 13.7389

Triad

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



32.5027, 16.2780, 39.9570



14.0093, 16.2780, 0.0000



6.5748, 16.2780, 54.2802

Complementary

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



32.5027, 16.2780, 39.9570



22.5251, 43.5922, 10.5978

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.



5.1856, 16.2780, 22.4136



32.5027, 16.2780, 39.9570



8.5032, 16.2780, 0.9691

Square

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



32.5027, 16.2780, 39.9570



21.9992, 16.2780, 0.3477



5.7571, 16.2780, 5.7915



10.3830, 16.2780, 87.3614

Rectangle

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



32.5027, 16.2780, 39.9570



32.1297, 16.2780, 5.1516



5.7571, 16.2780, 5.7915



5.8760, 16.2780, 42.4162

Sweetspot

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



32.5033, 16.2788, 39.9573



74.9554, 62.8910, 92.7061



12.4991, 5.5564, 57.5408



15.6122, 12.6789, 19.4516



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.



32.5033, 16.2788, 39.9573



52.7809, 25.8764, 62.7038



26.6508, 13.9379, 9.1388



11.5978, 11.3679, 13.6828



20.1188, 9.8581, 24.1422



1.0611, 0.5178, 1.3674

Inverse Universe

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



32.5033, 16.2788, 39.9573



52.7809, 25.8764, 62.7038



26.8152, 45.3083, 33.1895



11.5978, 11.3679, 13.6828



20.1188, 9.8581, 24.1422



1.0611, 0.5178, 1.3674

Previews

White Background



This preview shows how the XYZ color 32.5027, 16.2780, 39.9570 looks on a white background.

Color Contrast Check

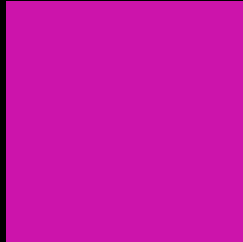
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5027, 16.2780, 39.9570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

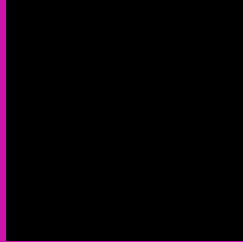
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.5027, 16.2780, 39.9570

Background



This preview shows how black text looks on a background with the XYZ color 32.5027, 16.2780, 39.9570.



This preview shows how white text looks on a background with the XYZ color 32.5027, 16.2780,

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

32.5027, 16.2780, 39.9570

Protanopia

20.1766, 16.8205, 79.2740

Deuteranopia

17.0511, 16.6483, 36.0330



Tritanopia

25.8364, 16.3394, 8.0954

Trichromacy



Original Color

32.5027, 16.2780, 39.9570



Protanomaly

17.1108, 11.4167, 62.2746



Deuteranomaly

19.5792, 13.4595, 37.1633



Tritanomaly

27.2328, 15.4775, 16.0201

Monochromacy



Original Color

32.5027, 16.2780, 39.9570



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

15.0723, 10.2635, 19.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5027, 16.2780, 39.9570 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, 20, 171)` looks like.

```
.text, #text, p{  
    color:rgb(204, 20, 171)  
}
```

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, 20, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 20, 171) }
```

Border

The CSS property to change the border of an element to XYZ 32.5027, 16.2780, 39.9570 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, 20, 171) }
```


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

```
.border{ border-color:rgb(204, 20, 171) }
```

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

Here you see how a box with a 4 pixel rgb(204, 20, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 20, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 20, 171);  
box-shadow:4px 4px 4px 4px rgb(204, 20,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5027, 16.2780, 39.9570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 20, 171) }
```

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

```
.background{ background-color: rgb(204, 20,  
171) }
```

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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