

Converting Colors

XYZ(32.7651, 16.0641, 38.8948)

Have a look what the booklet for
XYZ(32.7651, 16.0641, 38.8948)
contains.

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Color

**XYZ(32.8936, 16.1300,
38.9158)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00A9
RGB	207, 0, 169
RGB Percent	81%, 0%, 66%
CMY	0.1882, 0.9999, 0.3373
CMYK	0.00, 1.00, 0.18, 0.19
HSL	311°, 100%, 41%
HSV	311°, 100%, 81%
XYZ	32.8936, 16.1300, 38.9158
YIQ	81.1590, 69.1230, 96.4430

Conversions

Conversions Part 2

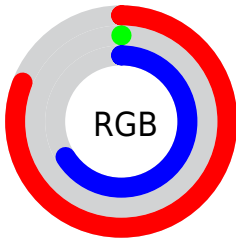
Format	Color
R_{YB}	207, 0, 169
Decimal	13566121
CIE _{Lab}	47.14, 78.87, -33.06
CIE _{LCh}	47, 85.519, 337.255
Yxy	16.1300, 0.3740, 0.1834
Android (android.graphics.Color)	4291756201 (0xFFCF00A9)
YUV	81.1590, 43.3056, 110.3626
Hunter-Lab	40.1622, 75.9112, -29.3365

Details

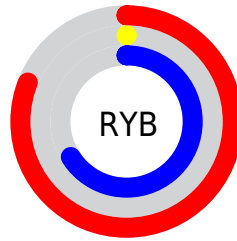
The XYZ color **32.8936, 16.1300, 38.9158** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.6639, 44.7664, 9.2830**, and the grayscale version is **7.7639, 8.1683, 8.8952**.

A 20% lighter version of the original color is **58.6578, 34.3505, 74.7729**, and **15.3651, 7.5569, 17.1718** is the 20% darker color. If you saturate the color by 10%, you get **32.8932, 16.1298, 38.9128**, and if you desaturate by 10%, it is **33.5192, 16.8016, 40.9106**.

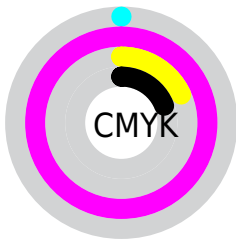
Distribution



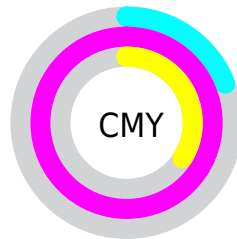
- Red (81%)
- Green (0%)
- Blue (66%)



- Red (81%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8936, 16.1300, 38.9158 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 32.8936, 16.1300, 38.9158 by changing the saturation by 10% instead.


 32.8936, 16.1300,
38.9158

 32.8936, 16.1300,
38.9158


306.8435,
230.1076, 356.9476


 22.2038, 9.6162,
26.3869


 63.5652, 36.8237,
74.7286


 14.1242, 5.1452,
16.8850


 84.2776, 51.7725,
98.8496


 8.2894, 2.3327,
9.9914


 109.0617, 70.3016,
127.6717

 4.3340, 0.7909,
5.2877

 138.2827, 92.7956,
161.6134

 1.8928, 0.0000,
2.3554

 172.3061,
119.6388, 201.0933

 0.5726, 0.0000,
0.7620

 211.4971,

 0.0000, 0.0000,

151.2156, 246.5300

0.0000

256.2211,
187.9104, 298.3419

■ 32.8936, 16.1300,
38.9158

■ 32.8936, 16.1300,
38.9158

■ 32.8932, 16.1298,
38.9128

■ 33.5192, 16.8016,
40.9106

■ 34.4365, 18.0401,
43.0542

■ 35.7416, 20.0371,
45.3790

■ 37.4860, 22.8960,
47.9027

■ 39.7135, 26.7038,
50.6402

■ 42.4622, 31.5369,
53.6048

■ 45.7667, 37.4640,
56.8083

■ 49.6583, 44.5479,
60.2615

■ 54.1661, 52.8464,
63.9745

Harmonies

Analogous

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



25.8490, 16.1300, 75.3937



32.8936, 16.1300, 38.9158



34.5992, 16.1300, 12.8373

Triad

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



32.8936, 16.1300, 38.9158



13.5775, 16.1300, 0.0000



6.4655, 16.1300, 56.4201

Complementary

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



32.8936, 16.1300, 38.9158



22.6639, 44.7664, 9.2830

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.



4.9995, 16.1300, 23.3254



32.8936, 16.1300, 38.9158



8.1412, 16.1300, 0.9239

Square

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



32.8936, 16.1300, 38.9158



21.6245, 16.1300, 0.1689



5.4925, 16.1300, 5.9291



10.3951, 16.1300, 90.0598

Rectangle

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



32.8936, 16.1300, 38.9158



32.1004, 16.1300, 4.6098



5.4925, 16.1300, 5.9291



5.7385, 16.1300, 44.1524

Sweetspot

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



32.8942, 16.1308, 38.9161



73.1304, 59.6483, 90.8420



12.0615, 4.9174, 59.3454



15.1484, 11.8586, 18.9661



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.



32.8942, 16.1308, 38.9161



52.6473, 25.8229, 62.0003



26.7036, 13.6546, 6.3168



12.2138, 11.9703, 14.4017



20.7564, 10.1754, 24.6873



1.1854, 0.5789, 1.5109

Inverse Universe

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



32.8942, 16.1308, 38.9161



52.6473, 25.8229, 62.0003



27.1556, 46.5631, 32.9360



12.2138, 11.9703, 14.4017



20.7564, 10.1754, 24.6873



1.1854, 0.5789, 1.5109

Previews

White Background



This preview shows how the XYZ color 32.8936, 16.1300, 38.9158 looks on a white background.

Color Contrast Check

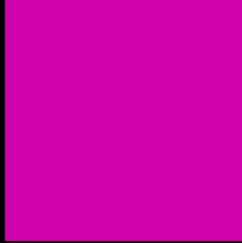
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8936, 16.1300, 38.9158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

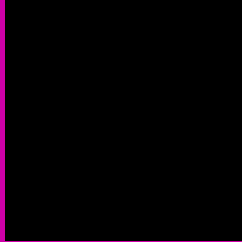
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.8936, 16.1300, 38.9158

Background



This preview shows how black text looks on a background with the XYZ color 32.8936, 16.1300, 38.9158.



This preview shows how white text looks on a background with the XYZ color 32.8936, 16.1300,

38.9158.

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

32.8936, 16.1300, 38.9158

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

17.1113, 16.7096, 34.6712



Tritanopia

26.6658, 16.5986, 7.5928

Trichromacy



Original Color

32.8936, 16.1300, 38.9158



Protanomaly

16.7247, 10.5293, 62.1236



Deuteranomaly

19.2561, 12.5184, 35.5838



Tritanomaly

27.8225, 15.3249, 15.1273

Monochromacy



Original Color

32.8936, 16.1300, 38.9158



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9610, 8.1603, 16.5148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8936, 16.1300, 38.9158 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(207, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 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(207, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 169) }
```

Border

The CSS property to change the border of an element to XYZ 32.8936, 16.1300, 38.9158 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(207, 0, 169) }
```


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

```
.border{ border-color:rgb(207, 0, 169) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8936, 16.1300, 38.9158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 169) }
```

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

```
.background{ background-color: rgb(207, 0,  
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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