

Converting Colors

XYZ(32.3615, 16.2849, 31.9276)

Have a look what the booklet for
XYZ(32.3615, 16.2849, 31.9276)
contains.

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Color

**XYZ(32.3125, 16.2590,
32.0071)**

Conversions

Conversions Part 1

Format	Color
Hex	D1109A
RGB	209, 16, 154
RGB Percent	82%, 6%, 60%
CMY	0.1804, 0.9371, 0.3961
CMYK	0.00, 0.92, 0.26, 0.18
HSL	317°, 86%, 44%
HSV	317°, 92%, 82%
XYZ	32.3125, 16.2590, 32.0071
YIQ	89.4390, 70.7300, 83.8340

Conversions

Conversions Part 2

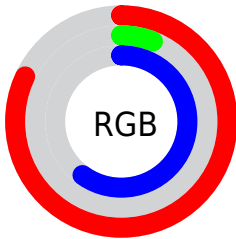
Format	Color
R_{YB}	209, 16, 154
Decimal	13701274
CIE _{Lab}	47.31, 76.07, -23.82
CIE _{LCh}	47, 79.709, 342.610
Yxy	16.2590, 0.4010, 0.2018
Android (android.graphics.Color)	4291891354 (0xFFD1109A)
YUV	89.4390, 31.8286, 104.8550
Hunter-Lab	40.3225, 72.4771, -18.8374

Details

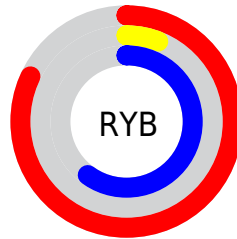
The XYZ color **32.3125, 16.2590, 32.0071** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.1529, 46.1667, 13.6041**, and the grayscale version is **9.5169, 10.0125, 10.9036**.

A 20% lighter version of the original color is **56.8408, 34.0479, 63.8977**, and **14.8426, 7.3688, 13.4720** is the 20% darker color. If you saturate the color by 10%, you get **31.7539, 15.7391, 29.9792**, and if you desaturate by 10%, it is **33.2953, 17.4106, 34.8438**.

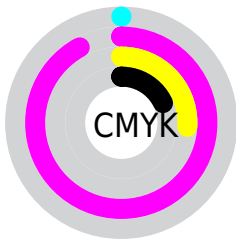
Distribution



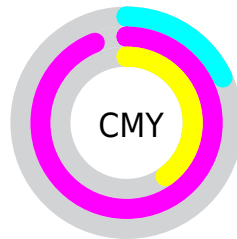
- Red (82%)
- Green (6%)
- Blue (60%)



- Red (82%)
- Yellow (6%)
- Blue (60%)



- Cyan (0%)
- Magenta (92%)
- Yellow (26%)
- Black (18%)





- Cyan (18%)
- Magenta (94%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3125, 16.2590, 32.0071 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 32.3125, 16.2590, 32.0071 by changing the saturation by 10% instead.

 32.3125, 16.2590,
32.0071


 32.3125, 16.2590,
32.0071


304.2604,
230.8652, 325.6453


 21.7570, 9.7076,
21.1021


 62.6626, 37.0473,
63.9203

 13.7941, 5.2055,
13.0067


 83.1878, 52.0529,
85.7655

 8.0583, 2.3684,
7.3023


 107.7671, 70.6455,
112.0944

 4.1844, 0.8095,
3.5706

 136.7657, 93.2093,
143.3258

 1.8070, 0.0000,
1.3929

 170.5489,
120.1288, 179.8780

 0.5219, 0.0000,
0.1361

 209.4822,

 0.0000, 0.0000,

151.7883, 222.1696

0.0000

253.9309,
188.5723, 270.6192

■ 32.3125, 16.2590,
32.0071

■ 32.3125, 16.2590,
32.0071

■ 31.7539, 15.7391,
29.9792

■ 33.2953, 17.4106,
34.8438

■ 34.6740, 19.3142,
37.9355

■ 36.5050, 22.0819,
41.3029

■ 38.8348, 25.8061,
44.9631

■ 41.7040, 30.5675,
48.9311

■ 45.1488, 36.4382,
53.2208

■ 49.2024, 43.4838,
57.8446

■ 53.8951, 51.7648,
62.8142

■ 59.2555, 61.3374,
68.1406

Harmonies

Analogous

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



26.5535, 16.2590, 64.3315



32.3125, 16.2590, 32.0071



32.7927, 16.2590, 10.5146

Triad

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



32.3125, 16.2590, 32.0071



12.6819, 16.2590, 0.2648



7.4765, 16.2590, 59.0765

Complementary

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



32.3125, 16.2590, 32.0071



24.1529, 46.1667, 13.6041

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.



5.6479, 16.2590, 27.5914



32.3125, 16.2590, 32.0071



7.9795, 16.2590, 1.7524

Square

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



32.3125, 16.2590, 32.0071



19.8643, 16.2590, 0.3851



5.7986, 16.2590, 8.4583



11.7497, 16.2590, 86.4905

Rectangle

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



32.3125, 16.2590, 32.0071



29.8968, 16.2590, 3.9491



5.7986, 16.2590, 8.4583



6.6234, 16.2590, 47.9068

Sweetspot

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



32.3130, 16.2599, 32.0074



73.2424, 61.3530, 86.3143



14.2712, 6.3033, 60.7862



15.1119, 12.1556, 17.8131



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.



32.3130, 16.2599, 32.0074



49.7167, 24.6507, 46.5678



27.2399, 14.2306, 5.2927



12.1611, 11.9492, 14.1244



19.6227, 9.7219, 18.7174



1.1304, 0.5569, 1.2214

Inverse Universe

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



32.3130, 16.2599, 32.0074



49.7167, 24.6507, 46.5678



30.0073, 48.5085, 44.4328



12.1611, 11.9492, 14.1244



19.6227, 9.7219, 18.7174



1.1304, 0.5569, 1.2214

Previews

White Background



This preview shows how the XYZ color 32.3125, 16.2590, 32.0071 looks on a white background.

Color Contrast Check

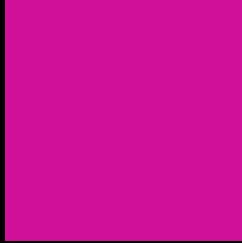
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3125, 16.2590, 32.0071 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 32.3125, 16.2590, 32.0071

Background



This preview shows how black text looks on a background with the XYZ color 32.3125, 16.2590, 32.0071.



This preview shows how white text looks on a background with the XYZ color 32.3125, 16.2590,

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

32.3125, 16.2590, 32.0071

Protanopia

19.6990, 16.9707, 68.5671

Deuteranopia

17.0252, 16.6337, 28.6989



Tritanopia

27.0339, 16.3835, 6.7385

Trichromacy



Original Color

32.3125, 16.2590, 32.0071



Protanomaly

18.8652, 12.4240, 53.0335



Deuteranomaly

19.6068, 13.3267, 29.5559



Tritanomaly

28.2729, 15.7190, 12.8532

Monochromacy



Original Color

32.3125, 16.2590, 32.0071



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

14.3761, 9.6240, 16.7227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3125, 16.2590, 32.0071 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(209, 16, 154)` looks like.

```
.text, #text, p{  
    color:rgb(209, 16, 154)  
}
```

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(209, 16, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 16, 154) }
```

Border

The CSS property to change the border of an element to XYZ 32.3125, 16.2590, 32.0071 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(209, 16, 154) }
```


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

```
.border{ border-color:rgb(209, 16, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 16, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 16, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 16, 154);  
box-shadow:4px 4px 4px 4px rgb(209, 16,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3125, 16.2590, 32.0071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 16, 154) }
```

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

```
.background{ background-color: rgb(209, 16,  
154) }
```

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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