

Converting Colors

XYZ(29.7735, 15.7367, 32.3588)

Have a look what the booklet for
XYZ(29.7735, 15.7367, 32.3588)
contains.

XYZ(29.9306, 15.8234, 32.4870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.9306, 15.8234,
32.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	C6279B
RGB	198, 39, 155
RGB Percent	78%, 15%, 61%
CMY	0.2235, 0.8470, 0.3922
CMYK	0.00, 0.80, 0.22, 0.22
HSL	316°, 67%, 46%
HSV	316°, 80%, 78%
XYZ	29.9306, 15.8234, 32.4870
YIQ	99.7650, 57.5280, 69.7840

Conversions

Conversions Part 2

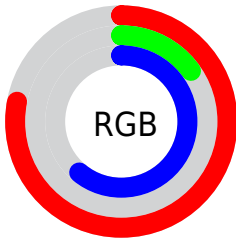
Format	Color
R _Y B	198, 39, 155
Decimal	12986267
CIE Lab	46.74, 69.73, -25.47
CIE LCh	47, 74.235, 339.936
Yxy	15.8234, 0.3825, 0.2022
Android (android.graphics.Color)	4291176347 (0xFFC6279B)
YUV	99.7650, 27.2309, 86.1521
Hunter-Lab	39.7786, 64.6960, -20.5768

Details

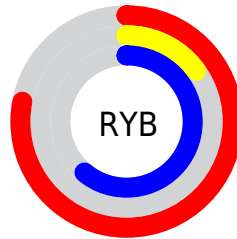
The XYZ color **29.9306, 15.8234, 32.4870** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **22.5548, 41.4293, 14.7930**, and the grayscale version is **11.9776, 12.6014, 13.7229**.

A 20% lighter version of the original color is **57.7231, 35.6136, 64.8045**, and **13.2634, 6.5547, 13.3981** is the 20% darker color. If you saturate the color by 10%, you get **29.0017, 14.6694, 30.0075**, and if you desaturate by 10%, it is **31.2194, 17.6650, 35.1852**.

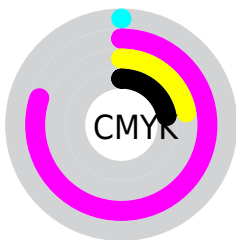
Distribution



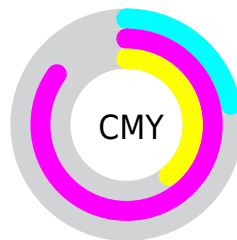
- Red (78%)
- Green (15%)
- Blue (61%)



- Red (78%)
- Yellow (15%)
- Blue (61%)



- Cyan (0%)
- Magenta (80%)
- Yellow (22%)
- Black (22%)



- Cyan (22%)
- Magenta (85%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9306, 15.8234, 32.4870 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 29.9306, 15.8234, 32.4870 by changing the saturation by 10% instead.

■ 29.9306, 15.8234,
32.4870

■ 29.9306, 15.8234,
32.4870

293.4965,
228.2974, 327.8926

■ 19.9337, 9.3993,
21.4659

■ 58.9398, 36.2913,
64.6805

■ 12.4549, 5.0025,
13.2704

■ 78.6828, 51.1040,
86.6900

■ 7.1286, 2.2487,
7.4821

■ 102.4053, 69.4815,
113.1993

■ 3.5897, 0.7464,
3.6824

■ 130.4725, 91.8084,
144.6270

■ 1.4728, 0.0000,
1.4528

■ 163.2499,
118.4691, 181.3917

■ 0.3072, 0.0000,
0.1824

■ 201.1028,

■ 0.0000, 0.0000,

149.8478, 223.9118

0.0000

244.3965,
186.3291, 272.6059

■ 29.9306, 15.8234,
32.4870

■ 29.9306, 15.8234,
32.4870

■ 29.0017, 14.6694,
30.0075

■ 31.2194, 17.6650,
35.1852

■ 28.3572, 14.0332,
27.7799

■ 32.9133, 20.2846,
38.1179

■ 35.0521, 23.7613,
41.2998

■ 37.6704, 28.1640,
44.7437

■ 40.7994, 33.5545,
48.4610

■ 44.4674, 39.9891,
52.4623

■ 48.7006, 47.5200,
56.7576

■ 53.5236, 56.1958,
61.3561

■ 58.9594, 66.0624,
66.2666

Harmonies

Analogous

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



24.4734, 15.8234, 61.2466



29.9306, 15.8234, 32.4870



30.8348, 15.8234, 11.8046

Triad

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



29.9306, 15.8234, 32.4870



13.0022, 15.8234, 0.5221



7.4018, 15.8234, 51.5022

Complementary

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



29.9306, 15.8234, 32.4870



22.5548, 41.4293, 14.7930

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.



5.8415, 15.8234, 24.1030



29.9306, 15.8234, 32.4870



8.4079, 15.8234, 1.8327

Square

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



29.9306, 15.8234, 32.4870



19.7012, 15.8234, 0.7592



6.1479, 15.8234, 7.7005



11.1784, 15.8234, 76.6377

Rectangle

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



29.9306, 15.8234, 32.4870



28.5279, 15.8234, 4.8980



6.1479, 15.8234, 7.7005



6.6576, 15.8234, 41.6840

Sweetspot

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



29.9311, 15.8242, 32.4873



75.9858, 65.9540, 89.9598



14.3475, 7.2965, 54.0784



15.7680, 13.2479, 18.7101



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.



29.9311, 15.8242, 32.4873



50.5134, 25.1465, 50.2167



25.3230, 13.9810, 8.2214



10.9559, 10.7658, 12.7513



18.4787, 9.1410, 18.2624



0.9041, 0.4445, 1.0180

Inverse Universe

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



29.9311, 15.8242, 32.4873



50.5134, 25.1465, 50.2167



27.4558, 43.3897, 40.6014



10.9559, 10.7658, 12.7513



18.4787, 9.1410, 18.2624



0.9041, 0.4445, 1.0180

Previews

White Background



This preview shows how the XYZ color 29.9306, 15.8234, 32.4870 looks on a white background.

Color Contrast Check

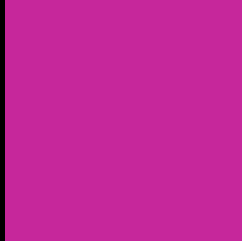
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9306, 15.8234, 32.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

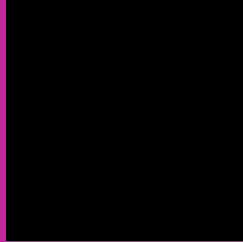
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9306, 15.8234, 32.4870

Background



This preview shows how black text looks on a background with the XYZ color 29.9306, 15.8234, 32.4870.



This preview shows how white text looks on a background with the XYZ color 29.9306, 15.8234,

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

29.9306, 15.8234, 32.4870

Protanopia

18.6161, 16.2281, 62.4728

Deuteranopia

16.4732, 16.1702, 29.4471



Tritanopia

24.8166, 15.8136, 8.0477

Trichromacy



Original Color

29.9306, 15.8234, 32.4870



Protanomaly

18.5852, 13.1118, 49.6954



Deuteranomaly

19.0764, 13.9138, 30.1140



Tritanomaly

26.2094, 15.4747, 14.4375

Monochromacy



Original Color

29.9306, 15.8234, 32.4870



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

16.2679, 12.0391, 19.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9306, 15.8234, 32.4870 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(198, 39, 155)` looks like.

```
.text, #text, p{  
  color:rgb(198, 39, 155)  
}
```

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(198, 39, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 39, 155) }
```

Border

The CSS property to change the border of an element to XYZ 29.9306, 15.8234, 32.4870 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(198, 39, 155) }
```


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

```
.border{ border-color:rgb(198, 39, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 39, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 39, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 39, 155);  
box-shadow:4px 4px 4px 4px rgb(198, 39,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9306, 15.8234, 32.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 39, 155) }
```

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

```
.background{ background-color: rgb(198, 39,  
155) }
```

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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