

Converting Colors

XYZ(28.1986, 13.5957, 32.0365)

Have a look what the booklet for
XYZ(28.1986, 13.5957, 32.0365)
contains.

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Color

**XYZ(28.4221, 13.9687,
32.2086)**

Conversions

Conversions Part 1

Format	Color
Hex	C3009B
RGB	195, 0, 155
RGB Percent	76%, 0%, 61%
CMY	0.2353, 0.9999, 0.3922
CMYK	0.00, 1.00, 0.21, 0.24
HSL	312°, 100%, 38%
HSV	312°, 100%, 76%
XYZ	28.4221, 13.9687, 32.2086
YIQ	75.9750, 66.4650, 89.5450

Conversions

Conversions Part 2

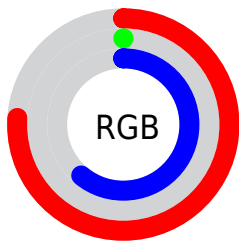
Format	Color
RYB	195, 0, 155
Decimal	12779675
CIELab	44.19, 74.93, -29.49
CIElCh	44, 80.519, 338.517
Yxy	13.9687, 0.3810, 0.1872
Android (android.graphics.Color)	4290969755 (0xFFC3009B)
YUV	75.9750, 38.9593, 104.3849
Hunter-Lab	37.3747, 70.3369, -24.9323

Details

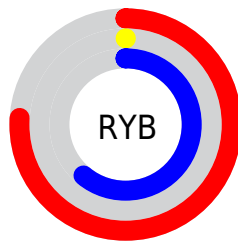
The XYZ color **28.4221, 13.9687, 32.2086** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **19.8992, 39.1841, 8.5248**, and the grayscale version is **6.7908, 7.1444, 7.7803**.

A 20% lighter version of the original color is **56.3626, 32.8926, 64.3510**, and **12.6015, 6.2135, 13.3671** is the 20% darker color. If you saturate the color by 10%, you get **28.4217, 13.9685, 32.2058**, and if you desaturate by 10%, it is **29.0059, 14.5894, 34.0886**.

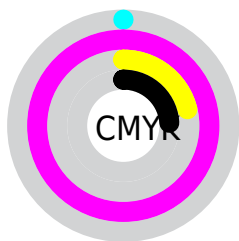
Distribution



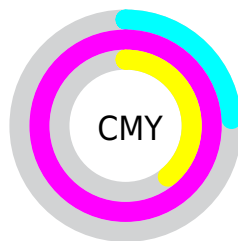
- Red (76%)
- Green (0%)
- Blue (61%)



- Red (76%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4221, 13.9687, 32.2086 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 28.4221, 13.9687, 32.2086 by changing the saturation by 10% instead.


 28.4221, 13.9687,
32.2086


 28.4221, 13.9687,
32.2086


286.5220,
217.0360, 326.5904


 18.7862, 8.0989,
21.2547


 56.5616, 33.0335,
64.2397


 11.6190, 4.1583,
13.1173


 75.7958, 46.9973,
86.1540


 6.5551, 1.7625,
7.3777


 98.9603, 64.4278,
112.5588

 3.2293, 0.4636,
3.6174

 126.4202, 85.7095,
143.8728

 1.2762, 0.0000,
1.4179

 158.5410,
111.2268, 180.5143

 0.1653, 0.0000,
0.1556

 195.6880,

 0.0000, 0.0000,

141.3641, 222.9021

0.0000

238.2265,
176.5057, 271.4546

■ 28.4221, 13.9687,
32.2086

■ 28.4221, 13.9687,
32.2086

■ 28.4217, 13.9685,
32.2058

■ 29.0059, 14.5894,
34.0886

■ 29.8434, 15.6997,
36.1086

■ 31.0211, 17.4723,
38.2979

■ 32.5835, 19.9959,
40.6719

■ 34.5681, 23.3455,
43.2436

■ 37.0080, 27.5871,
46.0245

■ 39.9329, 32.7799,
49.0250

■ 43.3700, 38.9781,
52.2546

■ 47.3443, 46.2317,
55.7222

Harmonies

Analogous

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



22.5591, 13.9687, 63.1307



28.4221, 13.9687, 32.2086



29.6391, 13.9687, 10.5455

Triad

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



28.4221, 13.9687, 32.2086



11.5288, 13.9687, 0.0000



5.7632, 13.9687, 49.6269

Complementary

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



28.4221, 13.9687, 32.2086



19.8992, 39.1841, 8.5248

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.



4.4198, 13.9687, 21.0788



28.4221, 13.9687, 32.2086



6.9705, 13.9687, 0.9219

Square

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



28.4221, 13.9687, 32.2086



18.3382, 13.9687, 0.0882



4.7760, 13.9687, 5.5791



9.2447, 13.9687, 77.6650

Rectangle

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



28.4221, 13.9687, 32.2086



27.3706, 13.9687, 3.7951



4.7760, 13.9687, 5.5791



5.1076, 13.9687, 39.1468

Sweetspot

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



28.4226, 13.9694, 32.2088



71.2472, 58.2207, 87.5360



10.6884, 4.3727, 51.9107



15.0892, 11.8349, 18.6545



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.



28.4226, 13.9694, 32.2088



50.8103, 24.9805, 57.1906



23.2832, 11.9137, 5.1455



10.4059, 10.2110, 12.2280



18.5035, 9.0911, 21.0950



0.8224, 0.4020, 1.0321

Inverse Universe

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



28.4226, 13.9694, 32.2088



50.8103, 24.9805, 57.1906



23.9959, 40.8228, 30.0979



10.4059, 10.2110, 12.2280



18.5035, 9.0911, 21.0950



0.8224, 0.4020, 1.0321

Previews

White Background



This preview shows how the XYZ color 28.4221, 13.9687, 32.2086 looks on a white background.

Color Contrast Check

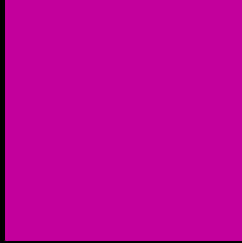
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4221, 13.9687, 32.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

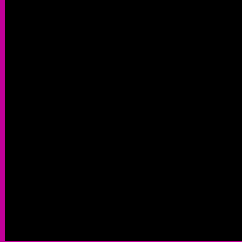
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4221, 13.9687, 32.2086

Background



This preview shows how black text looks on a background with the XYZ color 28.4221, 13.9687, 32.2086.



This preview shows how white text looks on a background with the XYZ color 28.4221, 13.9687,

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

28.4221, 13.9687, 32.2086

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

14.8817, 14.5804, 28.8180



Tritanopia

23.3332, 14.3990, 6.4000

Trichromacy



Original Color

28.4221, 13.9687, 32.2086



Protanomaly

14.5106, 9.2215, 53.2397



Deuteranomaly

16.7920, 11.0095, 29.6738



Tritanomaly

24.3690, 13.3905, 12.6095

Monochromacy



Original Color

28.4221, 13.9687, 32.2086



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.2145, 7.0558, 14.1354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4221, 13.9687, 32.2086 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(195, 0, 155)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 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(195, 0, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 155) }
```

Border

The CSS property to change the border of an element to XYZ 28.4221, 13.9687, 32.2086 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(195, 0, 155) }
```


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

```
.border{ border-color:rgb(195, 0, 155) }
```

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

Here you see how a box with a 4 pixel rgb(195, 0, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(195, 0,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4221, 13.9687, 32.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 155) }
```

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

```
.background{ background-color: rgb(195, 0,  
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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