

Converting Colors

XYZ(29.1359, 9.7780, 27.0119)

Have a look what the booklet for
XYZ(29.1359, 9.7780, 27.0119)
contains.

| | |
|--|----|
| XYZ(32.2622, 16.0414, 28.1840) | 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(32.2622, 16.0414,
28.1840)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | D40091 |
| RGB | 212, 0, 145 |
| RGB Percent | 83%, 0%, 57% |
| CMY | 0.1686, 0.9998, 0.4314 |
| CMYK | 0.00, 1.00, 0.32, 0.17 |
| HSL | 319°, 100%, 42% |
| HSV | 319°, 100%, 83% |
| XYZ | 32.2622, 16.0414, 28.1840 |
| YIQ | 79.9180, 79.8070, 90.0390 |

Conversions

Conversions Part 2

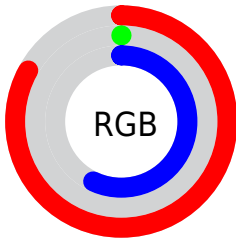
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 212, 0, 145 |
| Decimal | 13893777 |
| CIE _{Lab} | 47.03, 77.11, -18.79 |
| CIE _{LCh} | 47, 79.364, 346.304 |
| Yxy | 16.0414, 0.4218, 0.2097 |
| Android (android.graphics.Color) | 4292083857 (0xFFD40091) |
| YUV | 79.9180, 32.0854, 115.8359 |
| Hunter-Lab | 40.0517, 73.6937, -13.6856 |

Details

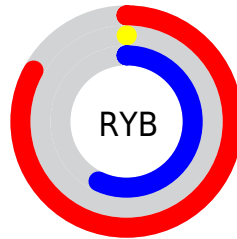
The XYZ color **32.2622, 16.0414, 28.1840** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.5583, 47.4930, 13.1893**, and the grayscale version is **7.5423, 7.9351, 8.6413**.

A 20% lighter version of the original color is **55.2899, 32.8657, 57.4624**, and **14.9693, 7.4836, 11.2452** is the 20% darker color. If you saturate the color by 10%, you get **32.2612, 16.0410, 28.1788**, and if you desaturate by 10%, it is **33.0671, 16.7995, 31.0776**.

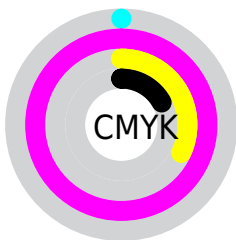
Distribution



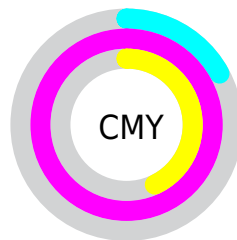
- Red (83%)
- Green (0%)
- Blue (57%)



- Red (83%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2622, 16.0414, 28.1840 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 32.2622, 16.0414, 28.1840 by changing the saturation by 10% instead.

 32.2622, 16.0414,
28.1840


 32.2622, 16.0414,
28.1840


304.0360,
229.5859, 307.2846

 21.7184, 9.5535,
18.2242


 62.5843, 36.6701,
57.8047

 13.7655, 5.1039,
10.9399


 83.0933, 51.5796,
78.3026


 8.0384, 2.3084,
5.9128


 107.6548, 70.0650,
103.1504

 4.1715, 0.7781,
2.7242

 136.6340, 92.5109,
132.7664

 1.7996, 0.0000,
0.9556

 170.3964,
119.3015, 167.5693

 0.5174, 0.0000,
0.0000

 209.3073,

 0.0000, 0.0000,

150.8213, 207.9776

0.0000

253.7321,
187.4546, 254.4099

■ 32.2622, 16.0414,
28.1840

■ 32.2622, 16.0414,
28.1840

■ 32.2612, 16.0410,
28.1788

■ 33.0671, 16.7995,
31.0776

■ 34.2014, 18.1670,
34.2339

■ 35.7656, 20.3439,
37.6888

■ 37.8151, 23.4402,
41.4632

■ 40.3965, 27.5484,
45.5750

■ 43.5509, 32.7497,
50.0401

■ 47.3150, 39.1173,
54.8731

■ 51.7226, 46.7176,
60.0874

■ 56.8047, 55.6123,
65.6954

Harmonies

Analogous

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



27.0921, 16.0414, 59.4841



32.2622, 16.0414, 28.1840



32.0034, 16.0414, 8.7753

Triad

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



32.2622, 16.0414, 28.1840



11.7949, 16.0414, 0.3434



7.7535, 16.0414, 62.3161

Complementary

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



32.2622, 16.0414, 28.1840



24.5583, 47.4930, 13.1893

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.



5.6819, 16.0414, 30.5628



32.2622, 16.0414, 28.1840



7.4827, 16.0414, 2.1245

Square

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



32.2622, 16.0414, 28.1840



18.6344, 16.0414, 0.2780



5.6007, 16.0414, 9.8822



12.2969, 16.0414, 87.2669

Rectangle

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



32.2622, 16.0414, 28.1840



28.7492, 16.0414, 3.1940



5.6007, 16.0414, 9.8822



6.8147, 16.0414, 51.3329

Sweetspot

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



32.2627, 16.0423, 28.1843



71.6582, 59.0594, 83.0898



13.9744, 5.8319, 62.6765



14.7944, 11.7170, 17.1020



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.



32.2627, 16.0423, 28.1843



48.9186, 24.3314, 42.3648



27.5775, 14.1682, 3.5126



12.7782, 12.5628, 14.7722



19.9637, 9.9218, 17.6447



1.2409, 0.6131, 1.2577

Inverse Universe

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



32.2627, 16.0423, 28.1843



48.9186, 24.3314, 42.3648



30.7627, 49.9747, 45.8609



12.7782, 12.5628, 14.7722



19.9637, 9.9218, 17.6447



1.2409, 0.6131, 1.2577

Previews

White Background



This preview shows how the XYZ color 32.2622, 16.0414, 28.1840 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 32.2622, 16.0414, 28.1840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

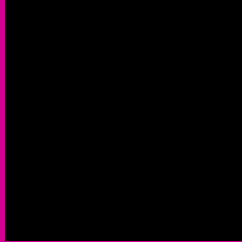
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.2622, 16.0414, 28.1840

Background



This preview shows how black text looks on a background with the XYZ color 32.2622, 16.0414, 28.1840.



This preview shows how white text looks on a background with the XYZ color 32.2622, 16.0414,

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

32.2622, 16.0414, 28.1840

Protanopia

19.0852, 16.8151, 61.2712

Deuteranopia

16.9970, 16.6956, 25.2484



Tritanopia

27.7323, 16.3743, 5.9739

Trichromacy



Original Color

32.2622, 16.0414, 28.1840



Protanomaly

18.4496, 11.7629, 46.6455



Deuteranomaly

19.4911, 12.8546, 25.8800



Tritanomaly

28.5316, 15.4270, 11.3715

Monochromacy



Original Color

32.2622, 16.0414, 28.1840



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5846, 7.9563, 13.9691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2622, 16.0414, 28.1840 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(212, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 145)  
}
```

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(212, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 145) }
```

Border

The CSS property to change the border of an element to XYZ 32.2622, 16.0414, 28.1840 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(212, 0, 145) }
```


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

```
.border{ border-color:rgb(212, 0, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2622, 16.0414, 28.1840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 145) }
```

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

```
.background{ background-color: rgb(212, 0,  
145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor