

Converting Colors

XYZ(29.8452, 15.9720, 13.1800)

Have a look what the booklet for
XYZ(29.8452, 15.9720, 13.1800)
contains.

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Color

**XYZ(29.9280, 16.0229,
13.0706)**

Conversions

Conversions Part 1

Format	Color
Hex	D42262
RGB	212, 34, 98
RGB Percent	83%, 13%, 38%
CMY	0.1686, 0.8666, 0.6157
CMYK	0.00, 0.84, 0.54, 0.17
HSL	338°, 72%, 48%
HSV	338°, 84%, 83%
XYZ	29.9280, 16.0229, 13.0706
YIQ	94.5180, 85.5440, 57.6400

Conversions

Conversions Part 2

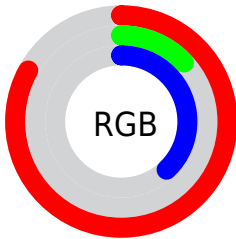
Format	Color
R_{YB}	212, 34, 98
Decimal	13902434
CIE Lab	47.00, 68.59, 9.97
CIE LCh	47, 69.309, 8.269
Yxy	16.0229, 0.5071, 0.2715
Android (android.graphics.Color)	4292092514 (0xFFD42262)
YUV	94.5180, 1.7166, 103.0317
Hunter-Lab	40.0286, 63.4082, 8.6600

Details

The XYZ color **29.9280, 16.0229, 13.0706** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **29.5502, 49.5658, 36.0333**, and the grayscale version is **10.7458, 11.3054, 12.3116**.

A 20% lighter version of the original color is **51.2390, 32.7055, 31.6292**, and **13.3823, 6.8272, 3.8613** is the 20% darker color. If you saturate the color by 10%, you get **28.9097, 14.9269, 9.8318**, and if you desaturate by 10%, it is **31.4290, 17.9105, 17.0072**.

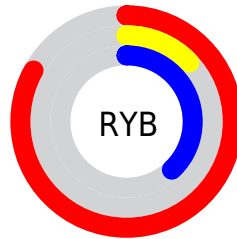
Distribution



Red (83%)

Green (13%)

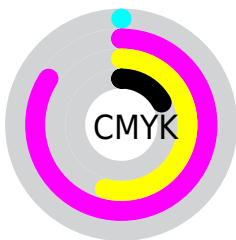
Blue (38%)



Red (83%)

Yellow (13%)

Blue (38%)

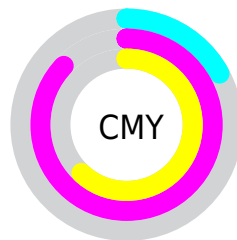


Cyan (0%)

Magenta (84%)

Yellow (54%)

Black (17%)



Cyan (17%)


Magenta (87%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9280, 16.0229, 13.0706 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 29.9280, 16.0229, 13.0706 by changing the saturation by 10% instead.


 29.9280, 16.0229,
13.0706


 29.9280, 16.0229,
13.0706


293.4846,
229.4768, 222.5933


 19.9317, 9.5404,
7.3459


 58.9357, 36.6380,
32.1236


 12.4534, 5.0953,
3.5976


 78.6779, 51.5393,
46.2890


 7.1277, 2.3033,
1.4073


 102.3994, 70.0156,
64.1050

 3.5891, 0.7754,
0.1474

 130.4656, 92.4514,
85.9901

 1.4724, 0.0000,
0.0000

 163.2419,
119.2310, 112.3630

 0.3069, 0.0000,
0.0000

 201.0935,

 0.0000, 0.0000,

150.7389, 143.6422

0.0000

244.3860,
187.3593, 180.2461

■ 29.9280, 16.0229,
13.0706

■ 29.9280, 16.0229,
13.0706

■ 28.9097, 14.9269,
9.8318

■ 31.4290, 17.9105,
17.0072

■ 28.4632, 14.5218,
8.1791

■ 33.4763, 20.7082,
21.6876

■ 36.1241, 24.5171,
27.1536

■ 39.4196, 29.4243,
33.4431

■ 43.4050, 35.5072,
40.5913

■ 48.1186, 42.8362,
48.6309

■ 53.5960, 51.4762,
57.5932

■ 59.8703, 61.4874,
67.5074

■ 66.9728, 72.9265,
78.4016

Harmonies

Analogous

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



28.8318, 16.0229, 32.9611



29.9280, 16.0229, 13.0706



26.3407, 16.0229, 3.8600

Triad

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



29.9280, 16.0229, 13.0706



9.0888, 16.0229, 2.1686



11.3072, 16.0229, 70.4856

Complementary

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



29.9280, 16.0229, 13.0706



29.5502, 49.5658, 36.0333

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.



7.7865, 16.0229, 47.3791



29.9280, 16.0229, 13.0706



6.7627, 16.0229, 7.7729

Square

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



29.9280, 16.0229, 13.0706



13.6131, 16.0229, 0.8707



6.3592, 16.0229, 22.7033



16.9686, 16.0229, 75.7508

Rectangle

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



29.9280, 16.0229, 13.0706



22.2217, 16.0229, 1.6687



6.3592, 16.0229, 22.7033



9.8831, 16.0229, 64.0503

Sweetspot

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



29.9284, 16.0238, 13.0708



72.0844, 63.4944, 72.1871



24.4420, 12.0774, 63.3301



14.8685, 12.7162, 14.5030



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.



29.9284, 16.0238, 13.0708



43.1574, 22.0270, 12.0269



28.9406, 17.1133, 3.2925



12.6059, 12.4938, 13.8648



17.6156, 8.9826, 5.2797



1.1014, 0.5574, 0.5236

Inverse Universe

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



29.9284, 16.0238, 13.0708



43.1574, 22.0270, 12.0269



30.5845, 41.1751, 68.6228



12.6059, 12.4938, 13.8648



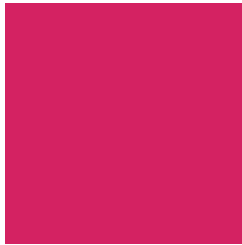
17.6156, 8.9826, 5.2797



1.1014, 0.5574, 0.5236

Previews

White Background



This preview shows how the XYZ color 29.9280, 16.0229, 13.0706 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 29.9280, 16.0229, 13.0706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

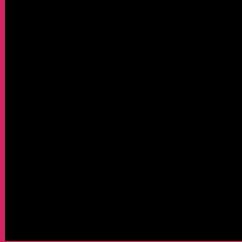
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9280, 16.0229, 13.0706

Background



This preview shows how black text looks on a background with the XYZ color 29.9280, 16.0229, 13.0706.



This preview shows how white text looks on a background with the XYZ color 29.9280, 16.0229,

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

29.9280, 16.0229, 13.0706

Protanopia

16.2632, 16.3008, 25.9561

Deuteranopia

16.5681, 16.2886, 11.9436



Tritanopia

28.2524, 16.1286, 4.6417

Trichromacy



Original Color

29.9280, 16.0229, 13.0706

Protanomaly

18.3455, 13.6363, 20.4041

Deuteranomaly

19.4154, 14.1488, 12.0636

Tritanomaly

28.7778, 16.0555, 6.8925

Monochromacy



Original Color

29.9280, 16.0229, 13.0706

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

14.9751, 11.0129, 12.4028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9280, 16.0229, 13.0706 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, 34, 98)` looks like.

```
.text, #text, p{  
    color:rgb(212, 34, 98)  
}
```

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, 34, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 34, 98) }
```

Border

The CSS property to change the border of an element to XYZ 29.9280, 16.0229, 13.0706 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, 34, 98) }
```


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

```
.border{ border-color:rgb(212, 34, 98) }
```

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

Here you see how a box with a 4 pixel rgb(212, 34, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 34, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 34, 98);  
box-shadow:4px 4px 4px 4px rgb(212, 34,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9280, 16.0229, 13.0706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 34, 98) }
```

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

```
.background{ background-color: rgb(212, 34,  
98) }
```

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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