

Converting Colors

XYZ(30.9690, 16.5219, 29.2371)

Have a look what the booklet for
XYZ(30.9690, 16.5219, 29.2371)
contains.

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Color

**XYZ(30.9612, 16.5298,
29.1625)**

Conversions

Conversions Part 1

Format	Color
Hex	CC2993
RGB	204, 41, 147
RGB Percent	80%, 16%, 58%
CMY	0.2000, 0.8392, 0.4235
CMYK	0.00, 0.80, 0.28, 0.20
HSL	321°, 67%, 48%
HSV	321°, 80%, 80%
XYZ	30.9612, 16.5298, 29.1625
YIQ	101.8210, 63.1220, 67.5220

Conversions

Conversions Part 2

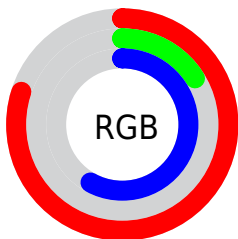
Format	Color
R_{YB}	204, 41, 147
Decimal	13379987
CIE _{Lab}	47.66, 69.62, -19.16
CIE _{LCh}	48, 72.212, 344.616
Yxy	16.5298, 0.4039, 0.2156
Android (android.graphics.Color)	4291570067 (0xFFCC2993)
YUV	101.8210, 22.2732, 89.6110
Hunter-Lab	40.6569, 64.7827, -14.0679

Details

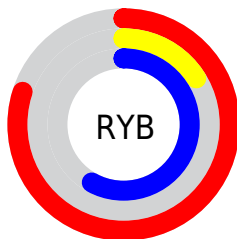
The XYZ color **30.9612, 16.5298, 29.1625** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **24.7130, 44.5395, 18.8526**, and the grayscale version is **12.5163, 13.1682, 14.3401**.

A 20% lighter version of the original color is **56.8342, 35.5802, 59.1305**, and **13.7884, 6.8643, 11.6645** is the 20% darker color. If you saturate the color by 10%, you get **29.8867, 15.2491, 26.1274**, and if you desaturate by 10%, it is **32.4367, 18.5566, 32.5028**.

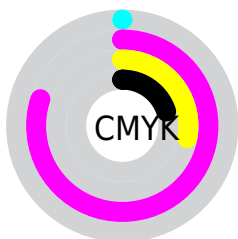
Distribution



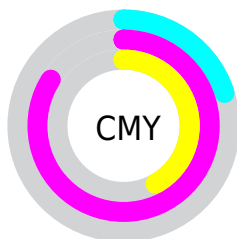
- Red (80%)
- Green (16%)
- Blue (58%)



- Red (80%)
- Yellow (16%)
- Blue (58%)



- Cyan (0%)
- Magenta (80%)
- Yellow (28%)
- Black (20%)



- Cyan (20%)
- Magenta (84%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9612, 16.5298, 29.1625 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 30.9612, 16.5298, 29.1625 by changing the saturation by 10% instead.

30.9612, 16.5298,
29.1625

30.9612, 16.5298,
29.1625

298.1896,
232.4480, 312.0658

20.7210, 9.8998,
18.9571

60.5552, 37.5155,
59.3804

13.0315, 5.3326,
11.4628

80.6398, 52.6401,
80.2301

7.5274, 2.4437,
6.2610

104.7365, 71.3650,
105.4649

3.8433, 0.8482,
2.9331

133.2106, 94.0746,
135.5035

1.6139, 0.0000,
1.0606

166.4277,
121.1533, 170.7643

0.4014, 0.0000,
0.0000

204.7530,

0.0000, 0.0000,

152.9855, 211.6660

0.0000

248.5518,
189.9556, 258.6269

■ 30.9612, 16.5298,
29.1625

■ 30.9612, 16.5298,
29.1625

■ 29.8867, 15.2491,
26.1274

■ 32.4367, 18.5566,
32.5028

■ 29.1193, 14.5280,
23.3627

■ 34.3618, 21.4263,
36.1673

■ 29.1119, 14.5214,
23.3351

■ 36.7796, 25.2240,
40.1732

■ 39.7275, 30.0235,
44.5359

■ 43.2392, 35.8911,
49.2694

■ 47.3454, 42.8875,
54.3867

■ 52.0745, 51.0688,
59.8999

■ 57.4532, 60.4872,
65.8205

■ 63.5063, 71.1919,
72.1594

Harmonies

Analogous

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



26.1321, 16.5298, 56.9749



30.9612, 16.5298, 29.1625



31.0289, 16.5298, 10.4402

Triad

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



30.9612, 16.5298, 29.1625



12.7845, 16.5298, 0.8600



8.4325, 16.5298, 56.2517

Complementary

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



30.9612, 16.5298, 29.1625



24.7130, 44.5395, 18.8526

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.



6.5058, 16.5298, 28.5322



30.9612, 16.5298, 29.1625



8.5104, 16.5298, 2.7052

Square

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



30.9612, 16.5298, 29.1625



19.2367, 16.5298, 0.8775



6.5297, 16.5298, 10.1234



12.6449, 16.5298, 78.5674

Rectangle

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



30.9612, 16.5298, 29.1625



28.2893, 16.5298, 4.4209



6.5297, 16.5298, 10.1234



7.5544, 16.5298, 46.6588

Sweetspot

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



30.9617, 16.5307, 29.1628



75.2808, 65.6720, 86.2472



16.4473, 8.3976, 57.8809



15.5974, 13.1796, 17.8118



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.



30.9617, 16.5307, 29.1628



48.5488, 24.3606, 39.8713



26.7440, 14.8436, 6.9527



11.5144, 11.3345, 13.2436



18.3688, 9.1581, 14.9268



0.9827, 0.4865, 0.9547

Inverse Universe

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



30.9617, 16.5307, 29.1628



48.5488, 24.3606, 39.8713



30.4272, 46.8252, 48.9435



11.5144, 11.3345, 13.2436



18.3688, 9.1581, 14.9268



0.9827, 0.4865, 0.9547

Previews

White Background



This preview shows how the XYZ color 30.9612, 16.5298, 29.1625 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 30.9612, 16.5298, 29.1625 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 30.9612, 16.5298, 29.1625

Background



This preview shows how black text looks on a background with the XYZ color 30.9612, 16.5298, 29.1625.



This preview shows how white text looks on a background with the XYZ color 30.9612, 16.5298,

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

30.9612, 16.5298, 29.1625

Protanopia

18.8949, 16.9883, 56.3160

Deuteranopia

17.0819, 16.7146, 26.3707



Tritanopia

26.4332, 16.4750, 7.7480

Trichromacy



Original Color

30.9612, 16.5298, 29.1625

Protanomaly

19.5920, 14.0884, 44.8667

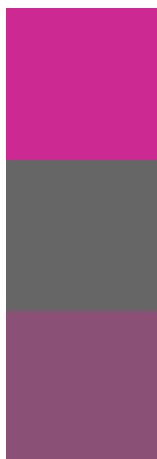
Deuteranomaly

19.9896, 14.6897, 26.9811

Tritanomaly

27.5846, 16.2063, 13.4786

Monochromacy



Original Color

30.9612, 16.5298, 29.1625

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.7861, 12.5343, 18.6742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9612, 16.5298, 29.1625 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(204, 41, 147)` looks like.

```
.text, #text, p{  
    color:rgb(204, 41, 147)  
}
```

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(204, 41, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 41, 147) }
```

Border

The CSS property to change the border of an element to XYZ 30.9612, 16.5298, 29.1625 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(204, 41, 147) }
```


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

```
.border{ border-color:rgb(204, 41, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 41, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 41, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 41, 147);  
box-shadow:4px 4px 4px 4px rgb(204, 41,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9612, 16.5298, 29.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 41, 147) }
```

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

```
.background{ background-color: rgb(204, 41,  
147) }
```

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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