

Converting Colors

XYZ(30.1475, 14.9356, 28.7886)

Have a look what the booklet for
XYZ(30.1475, 14.9356, 28.7886)
contains.

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Color

**XYZ(30.1683, 14.9440,
28.8982)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0093
RGB	204, 0, 147
RGB Percent	80%, 0%, 58%
CMY	0.2000, 0.9998, 0.4235
CMYK	0.00, 1.00, 0.28, 0.20
HSL	317°, 100%, 40%
HSV	317°, 100%, 80%
XYZ	30.1683, 14.9440, 28.8982
YIQ	77.7540, 74.3970, 88.9650

Conversions

Conversions Part 2

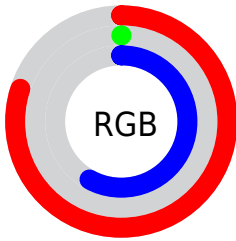
Format	Color
RYB	204, 0, 147
Decimal	13369491
CIELab	45.56, 75.73, -22.40
CIELCh	46, 78.976, 343.527
Yxy	14.9440, 0.4076, 0.2019
Android (android.graphics.Color)	4291559571 (0xFFCC0093)
YUV	77.7540, 34.1383, 110.7177
Hunter-Lab	38.6575, 71.6509, -17.2617

Details

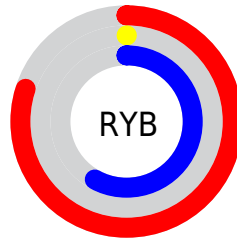
The XYZ color **30.1683, 14.9440, 28.8982** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **22.3329, 43.4818, 11.0917**, and the grayscale version is **7.1273, 7.4984, 8.1658**.

A 20% lighter version of the original color is **55.4388, 32.7894, 58.6654**, and **13.6129, 6.7738, 11.6563** is the 20% darker color. If you saturate the color by 10%, you get **30.1675, 14.9436, 28.8939**, and if you desaturate by 10%, it is **30.8850, 15.6434, 31.3995**.

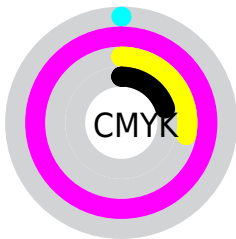
Distribution



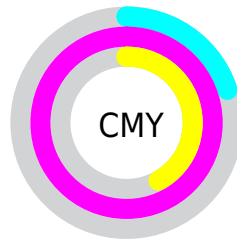
- Red (80%)
- Green (0%)
- Blue (58%)



- Red (80%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1683, 14.9440, 28.8982 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 30.1683, 14.9440, 28.8982 by changing the saturation by 10% instead.

 30.1683, 14.9440,
28.8982


 30.1683, 14.9440,
28.8982


294.5839,
223.0270, 310.7802

 20.1151, 8.7801,
18.7589


 59.3130, 34.7549,
58.9556


 12.5875, 4.5980,
11.3212


 79.1353, 49.1707,
79.7107


 7.2201, 2.0134,
6.1664


 102.9445, 67.1059,
104.8416

 3.6477, 0.6152,
2.8761

 131.1062, 88.9449,
134.7667

 1.5048, 0.0000,
1.0317

 163.9856,
115.0722, 169.9045

 0.3291, 0.0000,
0.0000

 201.9481,

 0.0000, 0.0000,

145.8720, 210.6737

0.0000

245.3591,
181.7288, 257.4928

■ 30.1683, 14.9440,
28.8982

■ 30.1683, 14.9440,
28.8982

■ 30.1675, 14.9436,
28.8939

■ 30.8850, 15.6434,
31.3995

■ 31.8955, 16.8946,
34.1096

■ 33.2936, 18.8845,
37.0613

■ 35.1292, 21.7125,
40.2727

■ 37.4447, 25.4627,
43.7595

■ 40.2771, 30.2091,
47.5354

■ 43.6599, 36.0178,
51.6129

■ 47.6235, 42.9494,
56.0036

■ 52.1962, 51.0599,
60.7181

Harmonies

Analogous

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



24.8515, 14.9440, 59.3731



30.1683, 14.9440, 28.8982



30.4481, 14.9440, 9.1684

Triad

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



30.1683, 14.9440, 28.8982



11.4390, 14.9440, 0.1232



6.8496, 14.9440, 56.2972

Complementary

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



30.1683, 14.9440, 28.8982



22.3329, 43.4818, 11.0917

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.



5.0968, 14.9440, 26.3320



30.1683, 14.9440, 28.8982



7.1372, 14.9440, 1.5887

Square

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



30.1683, 14.9440, 28.8982



18.1125, 14.9440, 0.1967



5.1825, 14.9440, 7.9917



10.9023, 14.9440, 81.8723

Rectangle

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



30.1683, 14.9440, 28.8982



27.6174, 14.9440, 3.3249



5.1825, 14.9440, 7.9917



6.0372, 14.9440, 45.7092

Sweetspot

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



30.1688, 14.9448, 28.8985



72.0569, 59.2189, 85.1893



12.4439, 5.1566, 57.4663



14.8900, 11.7552, 17.6053



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.



30.1688, 14.9448, 28.8985



49.8642, 24.7097, 47.3442



25.4282, 13.0486, 3.9348



11.5486, 11.3482, 13.4236



19.0291, 9.4222, 18.4039



1.0130, 0.4986, 1.1141

Inverse Universe

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



30.1688, 14.9448, 28.8985



49.8642, 24.7097, 47.3442



27.6288, 45.6002, 38.9799



11.5486, 11.3482, 13.4236



19.0291, 9.4222, 18.4039



1.0130, 0.4986, 1.1141

Previews

White Background



This preview shows how the XYZ color 30.1683, 14.9440, 28.8982 looks on a white background.

Color Contrast Check

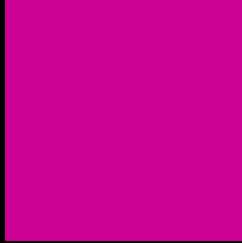
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1683, 14.9440, 28.8982 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 30.1683, 14.9440, 28.8982

Background



This preview shows how black text looks on a background with the XYZ color 30.1683, 14.9440, 28.8982.



This preview shows how white text looks on a background with the XYZ color 30.1683, 14.9440,

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

30.1683, 14.9440, 28.8982

Protanopia

18.2345, 15.8757, 62.4249

Deuteranopia

15.9413, 15.6571, 25.8488



Tritanopia

25.6441, 15.3688, 6.0298

Trichromacy



Original Color

30.1683, 14.9440, 28.8982



Protanomaly

17.1144, 10.8676, 47.6500



Deuteranomaly

18.0912, 11.9301, 26.5485



Tritanomaly

26.4128, 14.3752, 11.5078

Monochromacy



Original Color

30.1683, 14.9440, 28.8982



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9010, 7.5456, 13.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1683, 14.9440, 28.8982 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, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 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, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 147) }
```

Border

The CSS property to change the border of an element to XYZ 30.1683, 14.9440, 28.8982 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, 0, 147) }
```


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

```
.border{ border-color:rgb(204, 0, 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, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1683, 14.9440, 28.8982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 147) }
```

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

```
.background{ background-color: rgb(204, 0,  
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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