

Converting Colors

XYZ(31.2821, 16.9665, 14.8775)

Have a look what the booklet for
XYZ(31.2821, 16.9665, 14.8775)
contains.

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Color

**XYZ(31.3329, 16.9846,
14.9915)**

Conversions

Conversions Part 1

Format	Color
Hex	D72869
RGB	215, 40, 105
RGB Percent	84%, 16%, 41%
CMY	0.1569, 0.8431, 0.5882
CMYK	0.00, 0.81, 0.51, 0.16
HSL	338°, 69%, 50%
HSV	338°, 81%, 84%
XYZ	31.3329, 16.9846, 14.9915
YIQ	99.7350, 83.4350, 57.3150

Conversions

Conversions Part 2

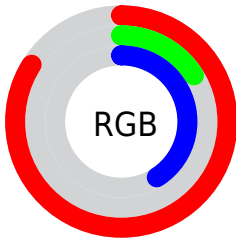
Format	Color
R_{YB}	215, 40, 105
Decimal	14100585
CIE _{Lab}	48.24, 68.50, 7.49
CIE _{LCh}	48, 68.910, 6.236
Yxy	16.9846, 0.4949, 0.2683
Android (android.graphics.Color)	4292290665 (0xFFD72869)
YUV	99.7350, 2.5956, 101.0874
Hunter-Lab	41.2124, 63.5881, 7.2812

Details

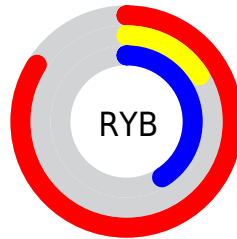
The XYZ color **31.3329, 16.9846, 14.9915** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **30.6823, 51.2546, 37.1366**, and the grayscale version is **12.0263, 12.6526, 13.7787**.

A 20% lighter version of the original color is **52.2923, 33.7635, 35.2134**, and **14.0901, 7.1755, 4.6454** is the 20% darker color. If you saturate the color by 10%, you get **30.1583, 15.6603, 11.4407**, and if you desaturate by 10%, it is **33.0214, 19.1601, 19.2585**.

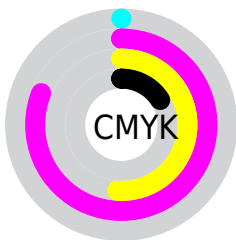
Distribution



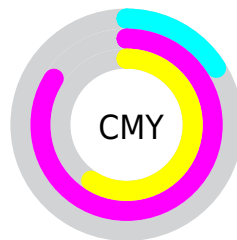
- Red (84%)
- Green (16%)
- Blue (41%)



- Red (84%)
- Yellow (16%)
- Blue (41%)



- Cyan (0%)
- Magenta (81%)
- Yellow (51%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3329, 16.9846, 14.9915 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 31.3329, 16.9846, 14.9915 by changing the saturation by 10% instead.


 31.3329, 16.9846,
14.9915


 31.3329, 16.9846,
14.9915


299.8686,
235.0836, 234.9538


 21.0055, 10.2235,
8.6669


 61.1361, 38.2993,
35.5804


 13.2405, 5.5474,
4.4307


 81.3426, 53.6217,
50.6817


 7.6725, 2.5719,
1.8645


 105.5730, 72.5666,
69.5456

 3.9362, 0.9126,
0.4700

 134.1924, 95.5186,
92.5907

 1.6661, 0.0000,
0.0000

 167.5664,
122.8618, 120.2356

 0.4349, 0.0000,
0.0000

 206.0601,

 0.0000, 0.0000,

154.9808, 152.8987

0.0000

250.0391,
192.2600, 190.9985

■ 31.3329, 16.9846,
14.9915

■ 31.3329, 16.9846,
14.9915

■ 30.1583, 15.6603,
11.4407

■ 33.0214, 19.1601,
19.2585

■ 29.4664, 15.0239,
8.9063

■ 35.2857, 22.3027,
24.2861

■ 38.1797, 26.5130,
30.1148

■ 41.7505, 31.8781,
36.7817

■ 46.0403, 38.4760,
44.3212

■ 51.0879, 46.3779,
52.7654

■ 56.9291, 55.6496,
62.1448

■ 63.5976, 66.3522,
72.4885

■ 71.1247, 78.5433,
83.8240

Harmonies

Analogous

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



29.8770, 16.9846, 36.1813



31.3329, 16.9846, 14.9915



27.9466, 16.9846, 4.6736

Triad

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



31.3329, 16.9846, 14.9915



10.0156, 16.9846, 2.2865



11.7574, 16.9846, 71.4862

Complementary

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



31.3329, 16.9846, 14.9915



30.6823, 51.2546, 37.1366

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.



8.2428, 16.9846, 47.3207



31.3329, 16.9846, 14.9915



7.4344, 16.9846, 7.7798

Square

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



31.3329, 16.9846, 14.9915



14.8692, 16.9846, 1.0270



6.8818, 16.9846, 22.5020



17.4883, 16.9846, 78.4032

Rectangle

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



31.3329, 16.9846, 14.9915



23.8109, 16.9846, 2.0809



6.8818, 16.9846, 22.5020



10.3287, 16.9846, 64.5896

Sweetspot

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



31.3333, 16.9856, 14.9918



72.9504, 64.7398, 73.9754



25.2237, 12.7136, 65.4142



15.0394, 12.9564, 14.8733



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.



31.3333, 16.9856, 14.9918



43.4955, 22.2508, 13.5344



30.0460, 17.8773, 3.8760



12.6121, 12.4963, 13.8973



17.6717, 9.0050, 5.5754



1.1053, 0.5589, 0.5437

Inverse Universe

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



31.3333, 16.9856, 14.9918



43.4955, 22.2508, 13.5344



32.5636, 44.2021, 71.1052



12.6121, 12.4963, 13.8973



17.6717, 9.0050, 5.5754



1.1053, 0.5589, 0.5437

Previews

White Background



This preview shows how the XYZ color 31.3329, 16.9846, 14.9915 looks on a white background.

Color Contrast Check

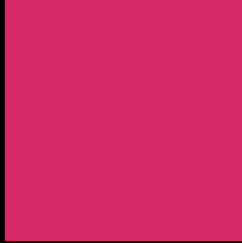
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3329, 16.9846, 14.9915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

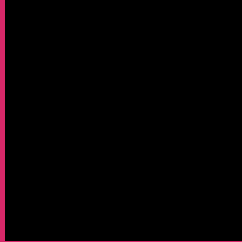
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3329, 16.9846, 14.9915

Background



This preview shows how black text looks on a background with the XYZ color 31.3329, 16.9846, 14.9915.



This preview shows how white text looks on a background with the XYZ color 31.3329, 16.9846,

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

31.3329, 16.9846, 14.9915

Protanopia

17.2357, 17.2364, 28.8041

Deuteranopia

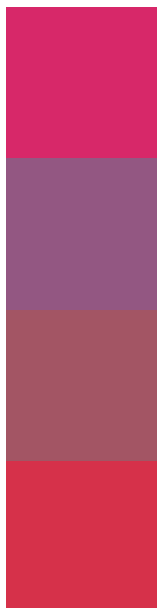
17.5150, 17.2185, 13.7096



Tritanopia

29.4735, 17.0700, 5.4828

Trichromacy



Original Color

31.3329, 16.9846, 14.9915

Protanomaly

19.4701, 14.6311, 22.9170

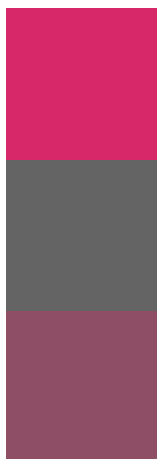
Deuteranomaly

20.6530, 15.2036, 13.9027

Tritanomaly

30.0659, 16.9872, 8.1728

Monochromacy



Original Color

31.3329, 16.9846, 14.9915

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.2780, 12.1589, 14.0593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3329, 16.9846, 14.9915 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(215, 40, 105)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 105)  
}
```

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(215, 40, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 105) }
```

Border

The CSS property to change the border of an element to XYZ 31.3329, 16.9846, 14.9915 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(215, 40, 105) }
```


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

```
.border{ border-color:rgb(215, 40, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 40, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 105);  
box-shadow:4px 4px 4px 4px rgb(215, 40,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3329, 16.9846, 14.9915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 105) }
```

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

```
.background{ background-color: rgb(215, 40,  
105) }
```

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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