

Converting Colors

XYZ(30.7573, 15.5999, 13.0063)

Have a look what the booklet for
XYZ(30.7573, 15.5999, 13.0063)
contains.

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Color

**XYZ(30.8199, 15.6336,
12.9485)**

Conversions

Conversions Part 1

Format	Color
Hex	D90062
RGB	217, 0, 98
RGB Percent	85%, 0%, 38%
CMY	0.1490, 0.9998, 0.6157
CMYK	0.00, 1.00, 0.55, 0.15
HSL	333°, 100%, 43%
HSV	333°, 100%, 85%
XYZ	30.8199, 15.6336, 12.9485
YIQ	76.0550, 97.8740, 76.4820

Conversions

Conversions Part 2

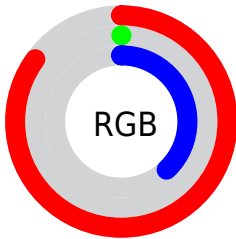
Format	Color
RYB	217, 0, 98
Decimal	14221410
CIELab	46.49, 74.15, 9.39
CIELCh	46, 74.744, 7.217
Yxy	15.6336, 0.5188, 0.2632
Android (android.graphics.Color)	4292411490 (0xFFD90062)
YUV	76.0550, 10.8189, 123.6088
Hunter-Lab	39.5393, 69.9423, 8.2610

Details

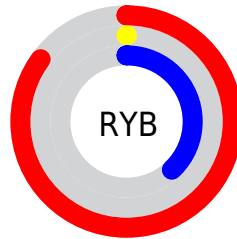
The XYZ color **30.8199, 15.6336, 12.9485** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.1460, 50.9589, 25.8203**, and the grayscale version is **6.8527, 7.2096, 7.8512**.

A 20% lighter version of the original color is **50.2415, 30.7104, 31.2967**, and **14.1374, 7.2165, 3.8966** is the 20% darker color. If you saturate the color by 10%, you get **30.8185, 15.6330, 12.9420**, and if you desaturate by 10%, it is **31.7065, 16.4396, 16.2262**.

Distribution



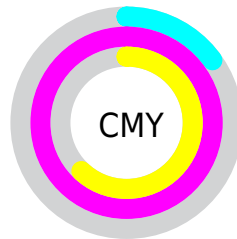
- Red (85%)
- Green (0%)
- Blue (38%)



- Red (85%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8199, 15.6336, 12.9485 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 30.8199, 15.6336, 12.9485 by changing the saturation by 10% instead.


 30.8199, 15.6336,
12.9485


 30.8199, 15.6336,
12.9485


297.5495,
227.1699, 221.7836


 20.6129, 9.2653,
7.2628


 60.3342, 35.9609,
31.9011


 12.9522, 4.9146,
3.5461


 80.3722, 50.6887,
46.0050


 7.4724, 2.1972,
1.3798


 104.4179, 68.9718,
63.7521

 3.8082, 0.7185,
0.1259

 132.8366, 91.1945,
85.5608

 1.5942, 0.0000,
0.0000

 165.9938,
117.7413, 111.8498

 0.3886, 0.0000,
0.0000

 204.2548,

 0.0000, 0.0000,

148.9965, 143.0376

0.0000

247.9849,
185.3445, 179.5426

■ 30.8199, 15.6336,
12.9485

■ 30.8199, 15.6336,
12.9485

■ 30.8185, 15.6330,
12.9420

■ 31.7065, 16.4396,
16.2262

■ 32.9962, 17.9125,
20.0676

■ 34.7967, 20.2624,
24.5247

■ 37.1691, 23.6067,
29.6331

■ 40.1654, 28.0447,
35.4247

■ 43.8314, 33.6632,
41.9286

■ 48.2082, 40.5406,
49.1718

■ 53.3336, 48.7481,
57.1797

■ 59.2427, 58.3517,
65.9764

Harmonies

Analogous

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



29.4309, 15.6336, 34.7570



30.8199, 15.6336, 12.9485



27.0475, 15.6336, 3.3282

Triad

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



30.8199, 15.6336, 12.9485



8.5629, 15.6336, 1.5259



10.5653, 15.6336, 75.0309

Complementary

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



30.8199, 15.6336, 12.9485



28.1460, 50.9589, 25.8203

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.



7.0248, 15.6336, 48.6980



30.8199, 15.6336, 12.9485



6.1234, 15.6336, 6.6588

Square

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



30.8199, 15.6336, 12.9485



13.3589, 15.6336, 0.4197



5.6556, 15.6336, 21.8719



16.4680, 15.6336, 81.9074

Rectangle

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



30.8199, 15.6336, 12.9485



22.6140, 15.6336, 1.2322



5.6556, 15.6336, 21.8719



9.1173, 15.6336, 67.5555

Sweetspot

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



30.8203, 15.6345, 12.9487



69.2753, 58.1062, 70.5413



19.6949, 8.7071, 66.2880



14.2286, 11.4907, 14.1227



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.



30.8203, 15.6345, 12.9487



44.3420, 22.5008, 18.2651



28.6944, 14.9098, 1.3669



13.2992, 13.1488, 14.8369



18.7077, 9.4841, 8.1068



1.2550, 0.6316, 0.7519

Inverse Universe

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



30.8203, 15.6345, 12.9487



44.3420, 22.5008, 18.2651



35.5143, 50.9887, 73.6154



13.2992, 13.1488, 14.8369



18.7077, 9.4841, 8.1068



1.2550, 0.6316, 0.7519

Previews

White Background



This preview shows how the XYZ color 30.8199, 15.6336, 12.9485 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 30.8199, 15.6336, 12.9485 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 30.8199, 15.6336, 12.9485

Background



This preview shows how black text looks on a background with the XYZ color 30.8199, 15.6336, 12.9485.



This preview shows how white text looks on a background with the XYZ color 30.8199, 15.6336,

12.9485.

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

30.8199, 15.6336, 12.9485

Protanopia

16.2758, 16.2649, 27.8728

Deuteranopia

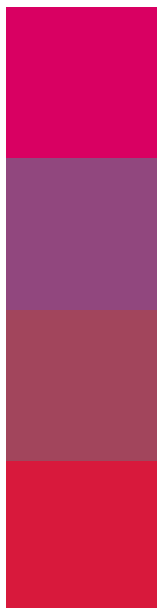
16.5258, 16.2717, 11.7209



Tritanopia

29.0997, 16.0381, 3.3957

Trichromacy



Original Color

30.8199, 15.6336, 12.9485

Protanomaly

17.6962, 12.0326, 21.1285

Deuteranomaly

18.9602, 12.7103, 11.5792

Tritanomaly

29.4821, 15.6204, 5.7361

Monochromacy



Original Color

30.8199, 15.6336, 12.9485

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.4096, 7.2660, 9.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8199, 15.6336, 12.9485 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(217, 0, 98)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 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(217, 0, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 30.8199, 15.6336, 12.9485 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(217, 0, 98) }
```


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

```
.border{ border-color:rgb(217, 0, 98) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.8199, 15.6336, 12.9485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 98) }
```

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

```
.background{ background-color: rgb(217, 0,  
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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