

Converting Colors

XYZ(42.0578, 30.8595, 31.2232)

Have a look what the booklet for
XYZ(42.0578, 30.8595, 31.2232)
contains.

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Color

**XYZ(41.9875, 30.8298,
31.3415)**

Conversions

Conversions Part 1

Format	Color
Hex	DE7793
RGB	222, 119, 147
RGB Percent	87%, 47%, 58%
CMY	0.1294, 0.5333, 0.4235
CMYK	0.00, 0.46, 0.34, 0.13
HSL	344°, 61%, 67%
HSV	344°, 46%, 87%
XYZ	41.9875, 30.8298, 31.3415
YIQ	152.9890, 52.4000, 30.5440

Conversions

Conversions Part 2

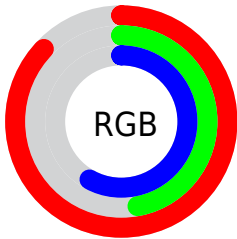
Format	Color
R _Y B	222, 119, 147
Decimal	14579603
CIE Lab	62.36, 43.03, 3.06
CIE LCh	62, 43.134, 4.063
Yxy	30.8298, 0.4031, 0.2960
Android (android.graphics.Color)	4292769683 (0xFFDE7793)
YUV	152.9890, -2.9526, 60.5226
Hunter-Lab	55.5246, 37.8130, 5.4003

Details

The XYZ color **41.9875, 30.8298, 31.3415** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.4682, 60.0603, 60.3440**, and the grayscale version is **30.2708, 31.8472, 34.6816**.

A 20% lighter version of the original color is **66.7262, 55.3642, 62.4278**, and **19.4747, 12.7699, 12.7477** is the 20% darker color. If you saturate the color by 10%, you get **38.4666, 25.6774, 24.3429**, and if you desaturate by 10%, it is **46.3054, 37.2905, 39.4859**.

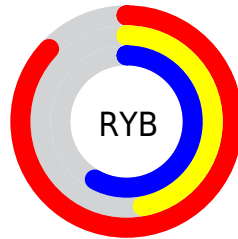
Distribution



Red (87%)

Green (47%)

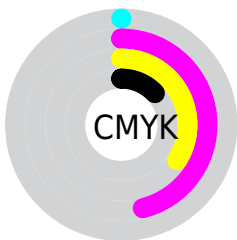
Blue (58%)



Red (87%)

Yellow (47%)

Blue (58%)

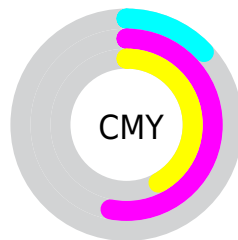


Cyan (0%)

Magenta (46%)

Yellow (34%)

Black (13%)



Cyan (13%)


Magenta (53%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9875, 30.8298, 31.3415 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 41.9875, 30.8298, 31.3415 by changing the saturation by 10% instead.


 41.9875, 30.8298,
31.3415


 41.9875, 30.8298,
31.3415


345.4236,
305.7534, 322.5083


 29.2826, 20.4693,
20.5984


 77.4460, 60.9720,
62.8632

 19.4400, 12.7366,
12.6424


 100.9303, 81.5225,
84.4789

 12.0946, 7.2474,
7.0549


 128.7384,
106.2384, 110.5558

 6.8808, 3.6173,
3.4175

161.2356,
135.5042, 141.5125

 3.4333, 1.4619,
1.3116

198.7874,
169.7041, 177.7676

 1.3868, 0.2617,
0.0712

241.7591,

 0.2468, 0.0000,

209.2228, 219.7396

0.0000

290.5161,
254.4444, 267.8470

■ 0.0000, 0.0000,
0.0000

■ 41.9875, 30.8298,
31.3415

■ 41.9875, 30.8298,
31.3415

■ 38.4666, 25.6774,
24.3429

■ 46.3054, 37.2905,
39.4859

■ 35.6892, 21.7387,
18.4349

■ 51.4641, 45.1366,
48.8241

■ 33.5989, 18.9134,
13.5600


■ 57.5071, 54.4444,
59.4036


■ 32.1296, 17.0830,
9.6540

■ 64.4743, 65.2835,
71.2683

■ 31.1996, 16.0988,
6.6438

■ 72.4028, 77.7187,
84.4604

 30.9489, 15.8595,
5.7525

 81.3280, 91.8114,
99.0197

 83.9343, 94.2696,
108.3798

Harmonies

Analogous

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



40.6018, 30.8298, 49.6853



41.9875, 30.8298, 31.3415



39.6212, 30.8298, 18.5889

Triad

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



41.9875, 30.8298, 31.3415



23.4541, 30.8298, 13.3574



24.6619, 30.8298, 71.5754

Complementary

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



41.9875, 30.8298, 31.3415



43.4682, 60.0603, 60.3440

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.



20.9521, 30.8298, 54.9880



41.9875, 30.8298, 31.3415



20.3225, 30.8298, 21.3786

Square

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



41.9875, 30.8298, 31.3415



28.5145, 30.8298, 10.6273



19.4708, 30.8298, 35.8984



30.1054, 30.8298, 76.9346

Rectangle

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



41.9875, 30.8298, 31.3415



36.3974, 30.8298, 13.6863



19.4708, 30.8298, 35.8984



23.1958, 30.8298, 66.9079

Sweetspot

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



41.9883, 30.8313, 31.3421



80.7932, 77.7371, 84.8778



41.7285, 29.7827, 72.6567



16.8719, 15.9861, 17.4430



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.



41.9883, 30.8313, 31.3421



52.6433, 35.1274, 33.2899



43.0268, 36.0064, 22.1368



13.8595, 13.7614, 15.0304



18.4231, 9.4362, 3.6277



1.3140, 0.6689, 0.4464

Inverse Universe

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



41.9883, 30.8313, 31.3421



52.6433, 35.1274, 33.2899



41.3748, 50.3590, 76.6470



13.8595, 13.7614, 15.0304



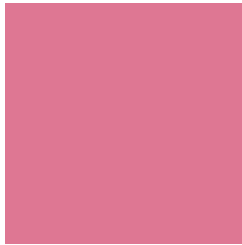
18.4231, 9.4362, 3.6277



1.3140, 0.6689, 0.4464

Previews

White Background



This preview shows how the XYZ color 41.9875, 30.8298, 31.3415 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.9875, 30.8298, 31.3415 looks on a black 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 ✓ Pass

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

XYZ 41.9875, 30.8298, 31.3415

Background



This preview shows how black text looks on a background with the XYZ color 41.9875, 30.8298, 31.3415.



This preview shows how white text looks on a background with the XYZ color 41.9875, 30.8298,

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

41.9875, 30.8298, 31.3415

Protanopia

30.2756, 31.0133, 39.9878

Deuteranopia

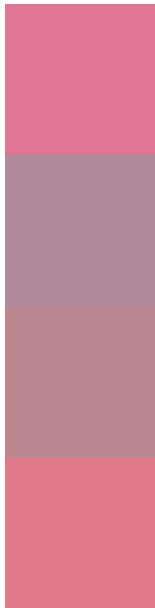
31.5236, 30.9458, 29.9028



Tritanopia

40.8751, 30.9299, 25.2884

Trichromacy



Original Color

41.9875, 30.8298, 31.3415

Protanomaly

33.3087, 30.1640, 36.4144

Deuteranomaly

34.5772, 30.3133, 30.4142

Tritanomaly

41.1715, 30.8530, 27.4522

Monochromacy



Original Color

41.9875, 30.8298, 31.3415

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.4709, 30.7491, 33.4492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9875, 30.8298, 31.3415 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(222, 119, 147)` looks like.

```
.text, #text, p{  
    color:rgb(222, 119, 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(222, 119, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 119, 147) }
```

Border

The CSS property to change the border of an element to XYZ 41.9875, 30.8298, 31.3415 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(222, 119, 147) }
```


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

```
.border{ border-color:rgb(222, 119, 147) }
```

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

Here you see how a box with a 4 pixel rgb(222, 119, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 119, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 119, 147);  
box-shadow:4px 4px 4px 4px rgb(222, 119,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9875, 30.8298, 31.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 119, 147) }
```

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

```
.background{ background-color: rgb(222,  
119, 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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