

Converting Colors

XYZ(42.0374, 29.7409, 42.3397)

Have a look what the booklet for
XYZ(42.0374, 29.7409, 42.3397)
contains.

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Color

**XYZ(42.0790, 29.7649,
42.5571)**

Conversions

Conversions Part 1

Format	Color
Hex	D972AC
RGB	217, 114, 172
RGB Percent	85%, 45%, 67%
CMY	0.1490, 0.5529, 0.3255
CMYK	0.00, 0.47, 0.21, 0.15
HSL	326°, 58%, 65%
HSV	326°, 47%, 85%
XYZ	42.0790, 29.7649, 42.5571
YIQ	151.4090, 42.7700, 39.8740

Conversions

Conversions Part 2

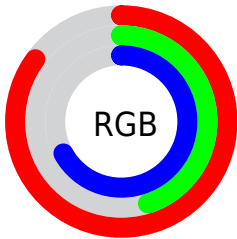
Format	Color
R _Y B	217, 114, 172
Decimal	14250668
CIE Lab	61.45, 47.24, -12.69
CIE LCh	61, 48.913, 344.959
Yxy	29.7649, 0.3678, 0.2602
Android (android.graphics.Color)	4292440748 (0xFFD972AC)
YUV	151.4090, 10.1514, 57.5233
Hunter-Lab	54.5572, 42.1987, -8.0588

Details

The XYZ color **42.0790, 29.7649, 42.5571** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **38.0117, 55.7072, 41.5527**, and the grayscale version is **29.5365, 31.0747, 33.8404**.

A 20% lighter version of the original color is **69.1078, 54.8113, 79.6103**, and **19.5561, 12.1671, 19.0871** is the 20% darker color. If you saturate the color by 10%, you get **39.0370, 25.0863, 37.2097**, and if you desaturate by 10%, it is **45.7683, 35.6334, 48.4414**.

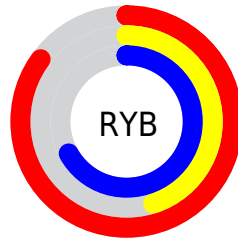
Distribution



Red (85%)

Green (45%)

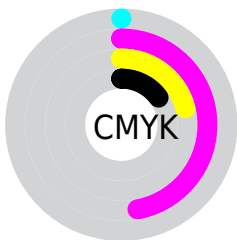
Blue (67%)



Red (85%)

Yellow (45%)

Blue (67%)

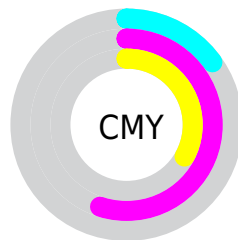


Cyan (0%)

Magenta (47%)

Yellow (21%)

Black (15%)



Cyan (15%)


Magenta (55%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0790, 29.7649, 42.5571 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 42.0790, 29.7649, 42.5571 by changing the saturation by 10% instead.


 42.0790, 29.7649,
42.5571

 42.0790, 29.7649,
42.5571

345.7964,
300.8071, 372.6547


 29.3545, 19.6602,
29.2089


 77.5836, 59.2902,
80.3213

 19.4948, 12.1483,
18.9920


 101.0944, 79.4796,
105.5743

 12.1345, 6.8448,
11.4877


 128.9314,
103.7993, 135.6328

 6.9082, 3.3652,
6.2776

161.4599,
132.6338, 170.9152

 3.4506, 1.3252,
2.9431

199.0453,
166.3674, 211.8400

 1.3963, 0.1606,
1.0657

242.0530,

 0.2536, 0.0000,

205.3846, 258.8258

0.0000

290.8482,
250.0696, 312.2912

■ 0.0000, 0.0000,
0.0000

■ 42.0790, 29.7649,
42.5571

■ 42.0790, 29.7649,
42.5571

■ 39.0370, 25.0863,
37.2097

■ 45.7683, 35.6334,
48.4414

■ 36.5967, 21.5095,
32.3766

■ 50.1411, 42.7633,
54.8802

■ 34.7101, 18.9407,
28.0350


■ 55.2341, 51.2254,
61.8923


■ 33.3205, 17.2685,
24.1591


■ 61.0804, 61.0841,
69.4949


■ 32.3511, 16.3417,
20.7159


■ 67.7111, 72.3995,
77.7042

 32.1401, 16.1617,
19.8996

 75.1553, 85.2282,
86.5357

 79.8622, 92.4665,
94.8115

 81.2954, 93.0398,
102.3582

 82.4255, 93.4918,
108.3092

Harmonies

Analogous

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



38.0183, 29.7649, 64.7049



42.0790, 29.7649, 42.5571



42.0850, 29.7649, 24.0580

Triad

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



42.0790, 29.7649, 42.5571



25.2007, 29.7649, 8.7421



20.3722, 29.7649, 64.6479

Complementary

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



42.0790, 29.7649, 42.5571



38.0117, 55.7072, 41.5527

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.



17.8973, 29.7649, 42.4982



42.0790, 29.7649, 42.5571



20.3823, 29.7649, 13.1761

Square

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



42.0790, 29.7649, 42.5571



31.6419, 29.7649, 8.7476



17.9007, 29.7649, 24.0177



25.1848, 29.7649, 80.4024

Rectangle

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



42.0790, 29.7649, 42.5571



39.7546, 29.7649, 15.9862



17.9007, 29.7649, 24.0177



19.2742, 29.7649, 57.3972

Sweetspot

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



42.0799, 29.7663, 42.5577



82.2893, 78.3355, 92.7563



32.7686, 24.3796, 68.6247



17.2349, 16.1313, 19.3541



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.



42.0799, 29.7663, 42.5577



56.2367, 36.1199, 53.5838



38.0768, 28.1651, 21.4776



13.3616, 13.1737, 15.1652



19.5098, 9.8049, 12.3304



1.3069, 0.6524, 1.0253

Inverse Universe

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



42.0799, 29.7663, 42.5577



56.2367, 36.1199, 53.5838



43.4028, 57.8637, 69.9418



13.3616, 13.1737, 15.1652



19.5098, 9.8049, 12.3304



1.3069, 0.6524, 1.0253

Previews

White Background



This preview shows how the XYZ color 42.0790, 29.7649, 42.5571 looks on a white background.

Color Contrast Check

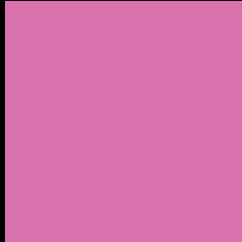
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 42.0790, 29.7649, 42.5571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

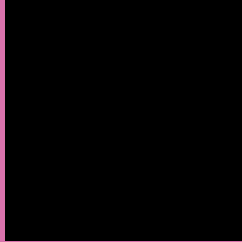
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0790, 29.7649, 42.5571

Background



This preview shows how black text looks on a background with the XYZ color 42.0790, 29.7649, 42.5571.



This preview shows how white text looks on a background with the XYZ color 42.0790, 29.7649,

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

42.0790, 29.7649, 42.5571

Protanopia

30.4374, 30.0418, 55.8242

Deuteranopia

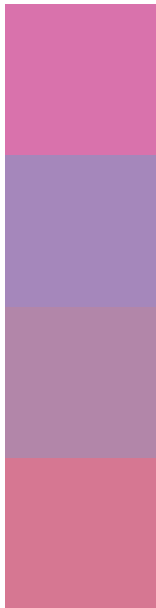
30.6180, 30.0094, 40.7379



Tritanopia

38.4968, 29.7039, 25.1771

Trichromacy



Original Color

42.0790, 29.7649, 42.5571

Protanomaly

33.1507, 28.9151, 50.8477

Deuteranomaly

34.0466, 29.3797, 41.4125

Tritanomaly

39.5167, 29.5651, 30.8180

Monochromacy



Original Color

42.0790, 29.7649, 42.5571

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.0257, 29.7941, 36.8111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0790, 29.7649, 42.5571 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, 114, 172)` looks like.

```
.text, #text, p{  
    color:rgb(217, 114, 172)  
}
```

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, 114, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 114, 172) }
```

Border

The CSS property to change the border of an element to XYZ 42.0790, 29.7649, 42.5571 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, 114, 172) }
```


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

```
.border{ border-color:rgb(217, 114, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 114, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 114, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 114, 172);  
box-shadow:4px 4px 4px 4px rgb(217, 114,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0790, 29.7649, 42.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 114, 172) }
```

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

```
.background{ background-color: rgb(217,  
114, 172) }
```

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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