

Converting Colors

XYZ(41.8057, 29.8314, 51.6833)

Have a look what the booklet for
XYZ(41.8057, 29.8314, 51.6833)
contains.

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Color

**XYZ(41.7252, 29.7202,
51.6815)**

Conversions

Conversions Part 1

Format	Color
Hex	D174BD
RGB	209, 116, 189
RGB Percent	82%, 45%, 74%
CMY	0.1804, 0.5451, 0.2588
CMYK	0.00, 0.44, 0.10, 0.18
HSL	313°, 50%, 64%
HSV	313°, 44%, 82%
XYZ	41.7252, 29.7202, 51.6815
YIQ	152.1290, 31.9950, 42.4190

Conversions

Conversions Part 2

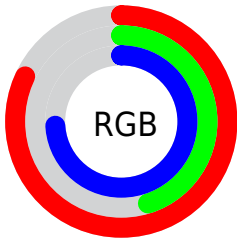
Format	Color
R _{YB}	209, 116, 189
Decimal	13726909
CIE _{Lab}	61.41, 46.33, -22.54
CIE _{LCh}	61, 51.526, 334.056
Y _{xy}	29.7202, 0.3389, 0.2414
Android (android.graphics.Color)	4291916989 (0xFFD174BD)
Y _{UV}	152.1290, 18.1774, 49.8759
Hunter-Lab	54.5162, 41.2155, -18.0457

Details

The XYZ color **41.7252, 29.7202, 51.6815** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.4482, 51.0925, 31.3408**, and the grayscale version is **29.8159, 31.3686, 34.1605**.

A 20% lighter version of the original color is **72.0962, 56.6020, 93.5116**, and **19.3434, 12.1884, 24.2547** is the 20% darker color. If you saturate the color by 10%, you get **39.1013, 25.2407, 48.4369**, and if you desaturate by 10%, it is **44.9080, 35.2923, 55.1876**.

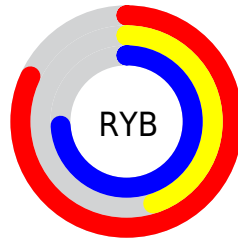
Distribution



Red (82%)

Green (45%)

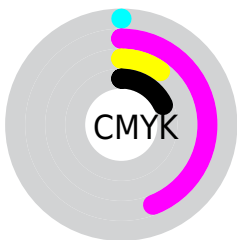
Blue (74%)



Red (82%)

Yellow (45%)

Blue (74%)

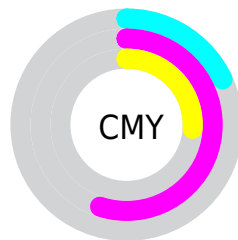


Cyan (0%)

Magenta (44%)

Yellow (10%)

Black (18%)



Cyan (18%)

Magenta (55%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7252, 29.7202, 51.6815 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 41.7252, 29.7202, 51.6815 by changing the saturation by 10% instead.

41.7252, 29.7202,
51.6815

41.7252, 29.7202,
51.6815

344.3536,
300.5981, 410.1277

29.0763, 19.6263,
36.3708

77.0513, 59.2194,
94.0831

19.2832, 12.1237,
24.4287

100.4593, 79.3935,
122.0111

11.9803, 6.8280,
15.4368

128.1844,
103.6965, 154.9820

6.8024, 3.3548,
8.9765

160.5919,
132.5127, 193.4142

3.3840, 1.3196,
4.6293

198.0472,
166.2266, 237.7263

1.3599, 0.1563,
1.9765

240.9157,

0.2274, 0.0000,

205.2225, 288.3369

0.5408

289.5627,
249.8849, 345.6645

■ 0.0000, 0.0000,
0.0000

■ 41.7252, 29.7202,
51.6815

■ 41.7252, 29.7202,
51.6815

■ 39.1013, 25.2407,
48.4369

■ 44.9080, 35.2923,
55.1876

■ 36.9966, 21.7762,
45.4391

■ 48.6804, 42.0196,
58.9652

■ 35.3705, 19.2450,
42.6740

■ 53.0742, 49.9650,
63.0258

■ 34.1749, 17.5515,
40.1251

■ 58.1179, 59.1856,
67.3797

■ 33.3516, 16.5791,
37.7721

■ 63.8385, 69.7347,
72.0364

■ 33.0003, 16.2377,
36.5413

■ 70.2611, 81.6629,
77.0049

■ 75.0348, 90.2675,
81.5022

■ 75.6399, 90.5095,
84.6891

■ 76.2613, 90.7581,
87.9609

Harmonies

Analogous

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



36.2285, 29.7202, 74.3999



41.7252, 29.7202, 51.6815



43.4155, 29.7202, 29.7810

Triad

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



41.7252, 29.7202, 51.6815



27.3326, 29.7202, 7.5243



18.7343, 29.7202, 58.2124

Complementary

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



41.7252, 29.7202, 51.6815



34.4482, 51.0925, 31.3408

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.



17.1022, 29.7202, 35.0843



41.7252, 29.7202, 51.6815



21.5353, 29.7202, 10.1824

Square

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



41.7252, 29.7202, 51.6815



34.3687, 29.7202, 9.0046



18.0391, 29.7202, 18.5774



22.9011, 29.7202, 79.1141

Rectangle

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



41.7252, 29.7202, 51.6815



41.9619, 29.7202, 19.3610



18.0391, 29.7202, 18.5774



17.9043, 29.7202, 50.1677

Sweetspot

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



41.7261, 29.7216, 51.6821



84.2446, 80.1922, 99.7401



27.6828, 22.2136, 63.1509



17.6774, 16.5197, 21.0328



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.



41.7261, 29.7216, 51.6821



61.6568, 40.1442, 76.4027



37.5675, 28.0581, 29.7828



12.1974, 11.9637, 14.3153



20.3844, 10.0266, 22.7281



1.1675, 0.5717, 1.4171

Inverse Universe

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



41.7261, 29.7216, 51.6821



61.6568, 40.1442, 76.4027



38.3548, 52.6552, 51.9130



12.1974, 11.9637, 14.3153



20.3844, 10.0266, 22.7281



1.1675, 0.5717, 1.4171

Previews

White Background



This preview shows how the XYZ color 41.7252, 29.7202, 51.6815 looks on a white background.

Color Contrast Check

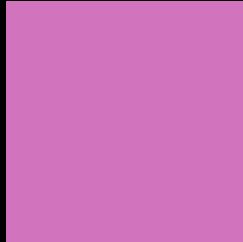
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7252, 29.7202, 51.6815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

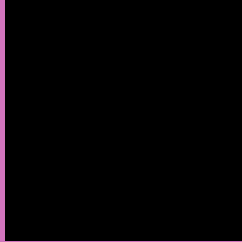
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7252, 29.7202, 51.6815

Background



This preview shows how black text looks on a background with the XYZ color 41.7252, 29.7202, 51.6815.



This preview shows how white text looks on a background with the XYZ color 41.7252, 29.7202,

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

41.7252, 29.7202, 51.6815

Protanopia

31.2195, 30.2101, 66.4730

Deuteranopia

30.6077, 30.0382, 49.5322



Tritanopia

36.7333, 29.6814, 27.4599

Trichromacy



Original Color

41.7252, 29.7202, 51.6815



Protanomaly

33.6079, 29.1361, 60.9792



Deuteranomaly

33.6753, 29.1979, 50.3153



Tritanomaly

38.2605, 29.5454, 35.1388

Monochromacy



Original Color

41.7252, 29.7202, 51.6815



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

33.2577, 30.0661, 39.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7252, 29.7202, 51.6815 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(209, 116, 189)` looks like.

```
.text, #text, p{  
    color:rgb(209, 116, 189)  
}
```

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(209, 116, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 116, 189) }
```

Border

The CSS property to change the border of an element to XYZ 41.7252, 29.7202, 51.6815 is called "border". The border property can be set on classes, ids or directly on the HTML element.

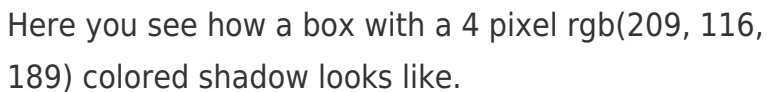
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 116, 189) }
```


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

```
.border{ border-color:rgb(209, 116, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 116, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 116, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 116, 189);  
box-shadow:4px 4px 4px 4px rgb(209, 116,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7252, 29.7202, 51.6815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 116, 189) }
```

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

```
.background{ background-color: rgb(209,  
116, 189) }
```

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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