

Converting Colors

XYZ(40.1437, 28.8217, 40.0066)

Have a look what the booklet for
XYZ(40.1437, 28.8217, 40.0066)
contains.

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Color

**XYZ(40.1437, 28.8217,
40.0066)**

Conversions

Conversions Part 1

Format	Color
Hex	D472A7
RGB	212, 114, 167
RGB Percent	83%, 45%, 65%
CMY	0.1686, 0.5529, 0.3451
CMYK	0.00, 0.46, 0.21, 0.17
HSL	328°, 53%, 64%
HSV	328°, 46%, 83%
XYZ	40.1437, 28.8217, 40.0066
YIQ	149.3440, 41.3950, 37.2590

Conversions

Conversions Part 2

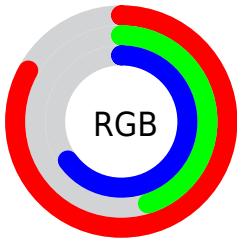
Format	Color
RYB	212, 114, 167
Decimal	13922983
CIELab	60.62, 44.87, -11.14
CIELCh	61, 46.229, 346.059
Yxy	28.8217, 0.3684, 0.2645
Android (android.graphics.Color)	4292113063 (0xFFD472A7)
YUV	149.3440, 8.7044, 54.9493
Hunter-Lab	53.6858, 39.5235, -6.6027

Details

The XYZ color **40.1437, 28.8217, 40.0066** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.7422, 53.1683, 41.1293**, and the grayscale version is **28.6650, 30.1578, 32.8419**.

A 20% lighter version of the original color is **68.4274, 54.5392, 76.0278**, and **18.3347, 11.6516, 17.5023** is the 20% darker color. If you saturate the color by 10%, you get **37.1573, 24.2352, 34.7368**, and if you desaturate by 10%, it is **43.7537, 34.5463, 45.8192**.

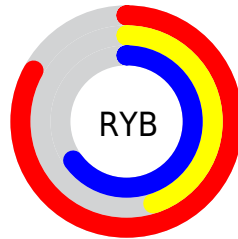
Distribution



Red (83%)

Green (45%)

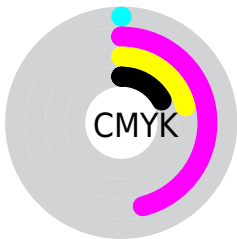
Blue (65%)



Red (83%)

Yellow (45%)

Blue (65%)

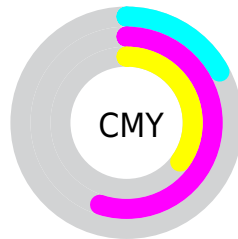


Cyan (0%)

Magenta (46%)

Yellow (21%)

Black (17%)



Cyan (17%)

Magenta (55%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1437, 28.8217, 40.0066 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 40.1437, 28.8217, 40.0066 by changing the saturation by 10% instead.

40.1437, 28.8217,
40.0066

40.1437, 28.8217,
40.0066

337.8529,
296.3728, 361.7043

27.8353, 18.9460,
27.2299

74.6652, 57.7937,
76.4108

18.3414, 11.6313,
17.5120

97.6091, 77.6587,
100.8753

11.2965, 6.4931,
10.4344

124.8288,
101.6224, 130.0728

6.3354, 3.1472,
5.5785

156.6898,
130.0689, 164.4218

3.0927, 1.2090,
2.5259

193.5573,
163.3829, 204.3410

1.2030, 0.0691,
0.8539

235.7968,

0.1087, 0.0000,

201.9486, 250.2487

0.0000

283.7735,
246.1504, 302.5637

■ 0.0000, 0.0000,
0.0000

■ 40.1437, 28.8217,
40.0066

■ 40.1437, 28.8217,
40.0066

■ 37.1573, 24.2352,
34.7368

■ 43.7537, 34.5463,
45.8192

■ 34.7516, 20.7043,
29.9872

■ 48.0213, 41.4757,
52.1920

■ 32.8821, 18.1422,
25.7359


■ 52.9809, 49.6762,
59.1438


■ 31.4961, 16.4460,
21.9572


■ 58.6637, 59.2081,
66.6916


■ 30.5277, 15.4866,
18.6212


■ 65.0991, 70.1278,
74.8516

 30.2258, 15.2268,
17.4599

 72.3146, 82.4885,
83.6394

 77.9281, 91.5237,
92.2671

 79.3749, 92.1025,
99.8858

 80.8999, 92.7125,
107.9163

Harmonies

Analogous

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



36.5399, 28.8217, 60.2423



40.1437, 28.8217, 40.0066



40.0019, 28.8217, 23.1223

Triad

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



40.1437, 28.8217, 40.0066



24.3337, 28.8217, 9.1761



20.1622, 28.8217, 61.5824

Complementary

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



40.1437, 28.8217, 40.0066



36.7422, 53.1683, 41.1293

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.



17.7602, 28.8217, 41.4059



40.1437, 28.8217, 40.0066



19.9180, 28.8217, 13.6233

Square

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



40.1437, 28.8217, 40.0066



30.2600, 28.8217, 9.0379



17.6779, 28.8217, 24.0955



24.7153, 28.8217, 75.4435

Rectangle

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



40.1437, 28.8217, 40.0066



37.7852, 28.8217, 15.7103



17.6779, 28.8217, 24.0955



19.1075, 28.8217, 55.0418

Sweetspot

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



40.1446, 28.8231, 40.0072



82.1717, 78.2885, 92.1371



32.0226, 24.0690, 65.2455



17.2062, 16.1198, 19.2032



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.



40.1446, 28.8231, 40.0072



56.7019, 37.2084, 53.2512



36.4935, 27.3627, 20.7812



12.7013, 12.5320, 14.3672



18.7110, 9.4207, 11.0482



1.1701, 0.5848, 0.8853

Inverse Universe

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



40.1446, 28.8231, 40.0072



56.7019, 37.2084, 53.2512



41.7585, 55.1748, 67.5449



12.7013, 12.5320, 14.3672



18.7110, 9.4207, 11.0482



1.1701, 0.5848, 0.8853

Previews

White Background



This preview shows how the XYZ color 40.1437, 28.8217, 40.0066 looks on a white background.

Color Contrast Check

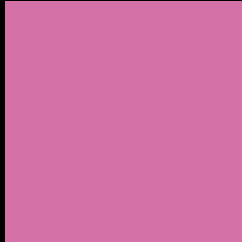
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1437, 28.8217, 40.0066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

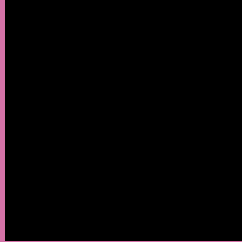
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.1437, 28.8217, 40.0066

Background



This preview shows how black text looks on a background with the XYZ color 40.1437, 28.8217, 40.0066.



This preview shows how white text looks on a background with the XYZ color 40.1437, 28.8217,

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

40.1437, 28.8217, 40.0066

Protanopia

29.3558, 29.1159, 51.6497

Deuteranopia

29.6705, 29.1236, 38.2400



Tritanopia

36.8791, 28.6963, 24.7143

Trichromacy



Original Color

40.1437, 28.8217, 40.0066

Protanomaly

32.0732, 28.2380, 46.9401

Deuteranomaly

32.6313, 28.2968, 38.8639

Tritanomaly

37.7309, 28.4953, 29.4981

Monochromacy



Original Color

40.1437, 28.8217, 40.0066

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.8182, 28.7793, 35.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1437, 28.8217, 40.0066 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(212, 114, 167)` looks like.

```
.text, #text, p{  
    color:rgb(212, 114, 167)  
}
```

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(212, 114, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 114, 167) }
```

Border

The CSS property to change the border of an element to XYZ 40.1437, 28.8217, 40.0066 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(212, 114, 167) }
```


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

```
.border{ border-color:rgb(212, 114, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 114, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 114, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 114, 167);  
box-shadow:4px 4px 4px 4px rgb(212, 114,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1437, 28.8217, 40.0066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 114, 167) }
```

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

```
.background{ background-color: rgb(212,  
114, 167) }
```

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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