

Converting Colors

XYZ(40.8401, 28.6766, 47.1122)

Have a look what the booklet for
XYZ(40.8401, 28.6766, 47.1122)
contains.

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Color

**XYZ(40.7130, 28.6262,
47.0957)**

Conversions

Conversions Part 1

Format	Color
Hex	D270B5
RGB	210, 112, 181
RGB Percent	82%, 44%, 71%
CMY	0.1765, 0.5608, 0.2902
CMYK	0.00, 0.47, 0.14, 0.18
HSL	318°, 52%, 63%
HSV	318°, 47%, 82%
XYZ	40.7130, 28.6262, 47.0957
YIQ	149.1680, 36.2590, 42.2350

Conversions

Conversions Part 2

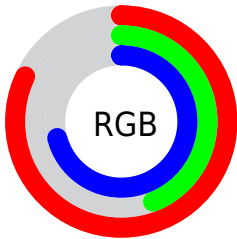
Format	Color
R _Y B	210, 112, 181
Decimal	13791413
CIE Lab	60.45, 47.38, -19.44
CIE LCh	60, 51.214, 337.690
Yxy	28.6262, 0.3497, 0.2459
Android (android.graphics.Color)	4291981493 (0xFFD270B5)
YUV	149.1680, 15.6932, 53.3497
Hunter-Lab	53.5035, 42.1970, -14.7368

Details

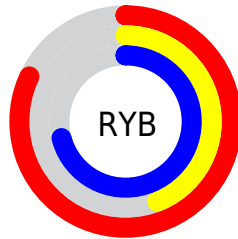
The XYZ color **40.7130, 28.6262, 47.0957** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **34.5377, 51.4619, 33.3143**, and the grayscale version is **28.5640, 30.0515, 32.7261**.

A 20% lighter version of the original color is **70.1623, 54.6469, 86.9707**, and **18.5971, 11.4587, 21.6537** is the 20% darker color. If you saturate the color by 10%, you get **38.0370, 24.2716, 43.1275**, and if you desaturate by 10%, it is **43.9596, 34.0754, 51.3950**.

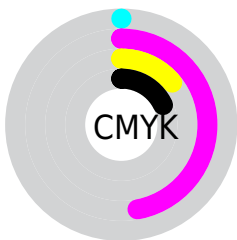
Distribution



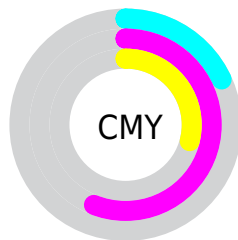
- Red (82%)
- Green (44%)
- Blue (71%)



- Red (82%)
- Yellow (44%)
- Blue (71%)



- Cyan (0%)
- Magenta (47%)
- Yellow (14%)
- Black (18%)





- Cyan (18%)
- Magenta (56%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7130, 28.6262, 47.0957 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 40.7130, 28.6262, 47.0957 by changing the saturation by 10% instead.


 40.7130, 28.6262,
47.0957


 40.7130, 28.6262,
47.0957


340.2028,
295.4472, 391.6012


 28.2816, 18.7982,
32.7564


 75.5255, 57.4827,
87.2079

 18.6796, 11.5246,
21.6703


 98.6373, 77.2799,
113.8180

 11.5416, 6.4208,
13.4189


 126.0399,
101.1691, 145.3554

 6.5023, 3.1026,
7.5835

 158.0987,
129.5346, 182.2386

 3.1964, 1.1855,
3.7457

195.1790,
162.7607, 224.8863

 1.2585, 0.0499,
1.4869

237.6462,

 0.1518, 0.0000,

201.2319, 273.7169

0.2081

285.8657,
245.3326, 329.1490

■ 0.0000, 0.0000,
0.0000

■ 40.7130, 28.6262,
47.0957

■ 40.7130, 28.6262,
47.0957

■ 38.0370, 24.2716,
43.1275

■ 43.9596, 34.0754,
51.3950

■ 35.8903, 20.9312,
39.4741

■ 47.8088, 40.6843,
56.0370

■ 34.2304, 18.5202,
36.1196


■ 52.2935, 48.5175,
61.0347


■ 33.0067, 16.9376,
33.0454


■ 57.4433, 57.6336,
66.3997


■ 32.1538, 16.0535,
30.2276


■ 63.2859, 68.0877,
72.1429

 31.9123, 15.8353,
29.3312

 69.8475, 79.9314,
78.2746

 75.8614, 90.6309,
84.3744

 76.7225, 90.9753,
88.9086

 77.6147, 91.3322,
93.6070

Harmonies

Analogous

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



35.7247, 28.6262, 69.6652



40.7130, 28.6262, 47.0957



41.8159, 28.6262, 26.5559

Triad

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



40.7130, 28.6262, 47.0957



25.5459, 28.6262, 7.2484



18.3536, 28.6262, 59.0761

Complementary

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



40.7130, 28.6262, 47.0957



34.5377, 51.4619, 33.3143

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.



16.4734, 28.6262, 36.2877



40.7130, 28.6262, 47.0957



20.1660, 28.6262, 10.3525

Square

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



40.7130, 28.6262, 47.0957



32.3139, 28.6262, 8.1916



17.0787, 28.6262, 19.3111



22.6710, 28.6262, 78.3107

Rectangle

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



40.7130, 28.6262, 47.0957



40.0583, 28.6262, 17.1511



17.0787, 28.6262, 19.3111



17.4502, 28.6262, 51.2834

Sweetspot

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



40.7139, 28.6275, 47.0963



83.0452, 78.6378, 96.7365



28.2044, 21.7983, 63.6942



17.4195, 16.2051, 20.3265



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.



40.7139, 28.6275, 47.0963



59.0336, 37.6835, 66.9407



36.6234, 26.9914, 25.5562



12.1555, 11.9469, 14.0947



19.5119, 9.6776, 18.1336



1.1249, 0.5547, 1.1925

Inverse Universe

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



40.7139, 28.6275, 47.0963



59.0336, 37.6835, 66.9407



38.8898, 53.2027, 56.2319



12.1555, 11.9469, 14.0947



19.5119, 9.6776, 18.1336



1.1249, 0.5547, 1.1925

Previews

White Background



This preview shows how the XYZ color 40.7130, 28.6262, 47.0957 looks on a white background.

Color Contrast Check

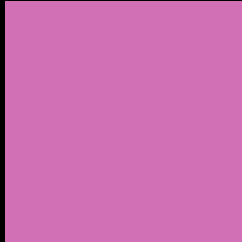
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7130, 28.6262, 47.0957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

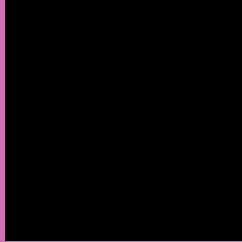
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.7130, 28.6262, 47.0957

Background



This preview shows how black text looks on a background with the XYZ color 40.7130, 28.6262, 47.0957.



This preview shows how white text looks on a background with the XYZ color 40.7130, 28.6262,

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

40.7130, 28.6262, 47.0957

Protanopia

29.8948, 28.9435, 61.7686

Deuteranopia

29.5130, 28.8905, 45.0952



Tritanopia

36.3012, 28.5641, 25.4299

Trichromacy



Original Color

40.7130, 28.6262, 47.0957

Protanomaly

32.3156, 27.7572, 55.8790

Deuteranomaly

32.6493, 28.1519, 45.8325

Tritanomaly

37.7156, 28.4243, 32.3528

Monochromacy



Original Color

40.7130, 28.6262, 47.0957

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.0318, 28.8395, 37.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7130, 28.6262, 47.0957 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(210, 112, 181)` looks like.

```
.text, #text, p{  
    color:rgb(210, 112, 181)  
}
```

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(210, 112, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 112, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.7130, 28.6262, 47.0957 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(210, 112, 181) }
```


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

```
.border{ border-color:rgb(210, 112, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 112, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 112, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 112, 181);  
box-shadow:4px 4px 4px 4px rgb(210, 112,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7130, 28.6262, 47.0957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 112, 181) }
```

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

```
.background{ background-color: rgb(210,  
112, 181) }
```

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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