

Converting Colors

XYZ(40.0959, 30.0687, 42.7521)

Have a look what the booklet for
XYZ(40.0959, 30.0687, 42.7521)
contains.

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Color

**XYZ(40.1381, 30.1630,
42.7363)**

Conversions

Conversions Part 1

Format	Color
Hex	CF7AAC
RGB	207, 122, 172
RGB Percent	81%, 48%, 67%
CMY	0.1882, 0.5215, 0.3255
CMYK	0.00, 0.41, 0.17, 0.19
HSL	325°, 47%, 65%
HSV	325°, 41%, 81%
XYZ	40.1381, 30.1630, 42.7363
YIQ	153.1150, 34.6100, 33.5700

Conversions

Conversions Part 2

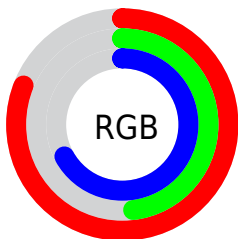
Format	Color
R _Y B	207, 122, 172
Decimal	13597356
CIE Lab	61.79, 39.80, -12.31
CIE LCh	62, 41.662, 342.821
Yxy	30.1630, 0.3551, 0.2668
Android (android.graphics.Color)	4291787436 (0xFFCF7AAC)
YUV	153.1150, 9.3103, 47.2571
Hunter-Lab	54.9209, 34.3426, -7.6915

Details

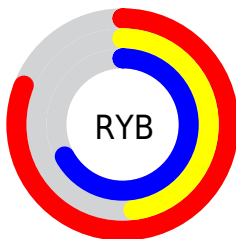
The XYZ color **40.1381, 30.1630, 42.7363** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.4260, 51.1985, 39.8630**, and the grayscale version is **30.2793, 31.8562, 34.6914**.

A 20% lighter version of the original color is **70.6305, 57.8567, 80.1179**, and **18.4059, 12.4419, 19.2007** is the 20% darker color. If you saturate the color by 10%, you get **37.0694, 25.2937, 37.8032**, and if you desaturate by 10%, it is **43.8024, 36.1387, 48.1277**.

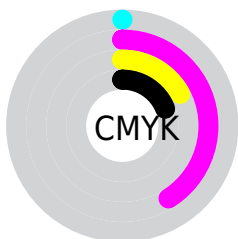
Distribution



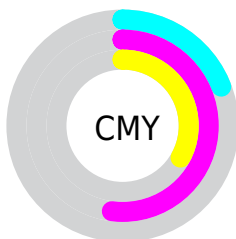
- Red (81%)
- Green (48%)
- Blue (67%)



- Red (81%)
- Yellow (48%)
- Blue (67%)



- Cyan (0%)
- Magenta (41%)
- Yellow (17%)
- Black (19%)





- Cyan (19%)
- Magenta (52%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1381, 30.1630, 42.7363 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 40.1381, 30.1630, 42.7363 by changing the saturation by 10% instead.


 40.1381, 30.1630,
42.7363


 40.1381, 30.1630,
42.7363

337.8297,
302.6635, 373.4155


 27.8309, 19.9623,
29.3484


 74.6568, 59.9199,
80.5949

 18.3381, 12.3677,
19.0967


 97.5990, 80.2448,
105.9026

 11.2941, 6.9946,
11.5626


 124.8169,
104.7134, 136.0207

 6.3338, 3.4587,
6.3277

156.6759,
133.7099, 171.3677

 3.0917, 1.3756,
2.9734

193.5413,
167.6188, 212.3621

 1.2024, 0.1987,
1.0811

235.7785,

 0.1083, 0.0000,

206.8244, 259.4225

0.0000

283.7529,
251.7112, 312.9675

■ 0.0000, 0.0000,
0.0000

■ 40.1381, 30.1630,
42.7363

■ 40.1381, 30.1630,
42.7363

■ 37.0694, 25.2937,
37.8032

■ 43.8024, 36.1387,
48.1277

■ 34.5580, 21.4568,
33.3098

■ 48.0922, 43.2803,
53.9911

■ 32.5650, 18.5760,
29.2385


■ 53.0386, 51.6478,
60.3417


■ 31.0452, 16.5623,
25.5692


■ 58.6695, 61.2961,
67.1933


■ 29.9448, 15.3098,
22.2787


■ 65.0115, 72.2765,
74.5591

 29.2304, 14.6647,
19.6248

 72.0895, 84.6377,
82.4516

 76.0108, 90.5929,
89.5775

 77.2492, 91.0883,
96.0986

 78.5471, 91.6074,
102.9332

Harmonies

Analogous

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



36.5630, 30.1630, 60.7925



40.1381, 30.1630, 42.7363



40.4019, 30.1630, 26.5087

Triad

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



40.1381, 30.1630, 42.7363



26.3626, 30.1630, 11.1269



21.5236, 30.1630, 58.3449

Complementary

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



40.1381, 30.1630, 42.7363



36.4260, 51.1985, 39.8630

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.



19.4608, 30.1630, 40.1123



40.1381, 30.1630, 42.7363



22.0018, 30.1630, 15.1207

Square

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



40.1381, 30.1630, 42.7363



31.9425, 30.1630, 11.4223



19.6237, 30.1630, 24.6071



25.6272, 30.1630, 71.6159

Rectangle

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



40.1381, 30.1630, 42.7363



38.6195, 30.1630, 18.8906



19.6237, 30.1630, 24.6071



20.5938, 30.1630, 52.3795

Sweetspot

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



40.1390, 30.1644, 42.7369



84.0904, 81.2214, 95.5645



31.9337, 25.4936, 62.2697



17.7646, 16.9867, 20.1594



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.



40.1390, 30.1644, 42.7369



60.0741, 41.5765, 61.7014



36.7558, 28.8111, 24.9210



12.0963, 11.9232, 13.7827



18.4644, 9.2586, 12.6174



1.0714, 0.5333, 0.9106

Inverse Universe

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



40.1390, 30.1644, 42.7369



60.0741, 41.5765, 61.7014



40.5908, 52.8644, 61.7942



12.0963, 11.9232, 13.7827



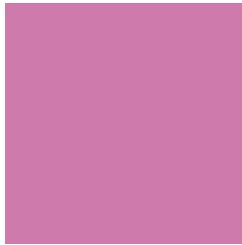
18.4644, 9.2586, 12.6174



1.0714, 0.5333, 0.9106

Previews

White Background



This preview shows how the XYZ color 40.1381, 30.1630, 42.7363 looks on a white background.

Color Contrast Check

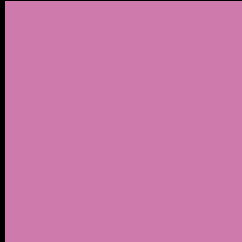
Large Text (above 18pt) WCAG AA × Fail

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 40.1381, 30.1630, 42.7363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

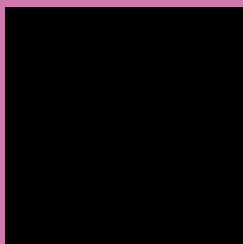
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1381, 30.1630, 42.7363

Background



This preview shows how black text looks on a background with the XYZ color 40.1381, 30.1630, 42.7363.



This preview shows how white text looks on a background with the XYZ color 40.1381, 30.1630,

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

40.1381, 30.1630, 42.7363

Protanopia

30.5316, 30.3865, 52.9712

Deuteranopia

31.0571, 30.4528, 41.2869



Tritanopia

37.0663, 30.2320, 27.9265

Trichromacy



Original Color

40.1381, 30.1630, 42.7363

Protanomaly

33.0897, 29.7766, 48.8032

Deuteranomaly

33.7863, 29.8699, 41.5208

Tritanomaly

37.8677, 29.9611, 32.6414

Monochromacy



Original Color

40.1381, 30.1630, 42.7363

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.2517, 30.7683, 37.4440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1381, 30.1630, 42.7363 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(207, 122, 172)` looks like.

```
.text, #text, p{  
    color:rgb(207, 122, 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(207, 122, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 122, 172) }
```

Border

The CSS property to change the border of an element to XYZ 40.1381, 30.1630, 42.7363 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(207, 122, 172) }
```


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

```
.border{ border-color:rgb(207, 122, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 122, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 122, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 122, 172);  
box-shadow:4px 4px 4px 4px rgb(207, 122,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1381, 30.1630, 42.7363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 122, 172) }
```

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

```
.background{ background-color: rgb(207,  
122, 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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