

Converting Colors

XYZ(49.4012, 47.1122, 70.1082)

Have a look what the booklet for
XYZ(49.4012, 47.1122, 70.1082)
contains.

XYZ(49.4012, 47.1122, 70.1082)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4012, 47.1122,
70.1082)**

Conversions

Conversions Part 1

Format	Color
Hex	C0B0D6
RGB	192, 176, 214
RGB Percent	75%, 69%, 84%
CMY	0.2471, 0.3098, 0.1608
CMYK	0.10, 0.18, 0.00, 0.16
HSL	265°, 32%, 76%
HSV	265°, 18%, 84%
XYZ	49.4012, 47.1122, 70.1082
YIQ	185.1160, -2.6620, 15.2100

Conversions

Conversions Part 2

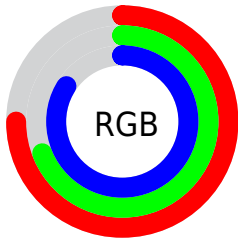
Format	Color
R_{YB}	192, 176, 214
Decimal	12628182
CIE _{Lab}	74.26, 12.95, -17.08
CIE _{LCh}	74, 21.435, 307.173
Yxy	47.1122, 0.2965, 0.2827
Android (android.graphics.Color)	4290818262 (0xFFC0B0D6)
YUV	185.1160, 14.2398, 6.0373
Hunter-Lab	68.6383, 8.3551, -12.5129

Details

The XYZ color **49.4012, 47.1122, 70.1082** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.1734, 63.2347, 50.3741**, and the grayscale version is **46.1042, 48.5052, 52.8222**.

A 20% lighter version of the original color is **85.9735, 85.0730, 106.4972**, and **23.8222, 22.0724, 35.8057** is the 20% darker color. If you saturate the color by 10%, you get **42.5255, 37.8230, 68.6783**, and if you desaturate by 10%, it is **57.2054, 57.8644, 71.7730**.

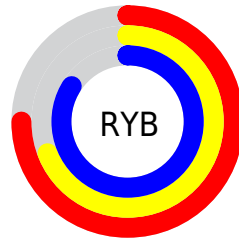
Distribution



Red (75%)

Green (69%)

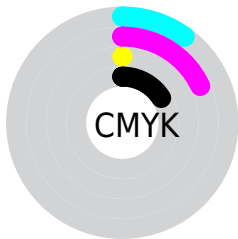
Blue (84%)



Red (75%)

Yellow (69%)

Blue (84%)

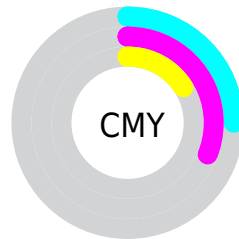


Cyan (10%)

Magenta (18%)

Yellow (0%)

Black (16%)



Cyan (25%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4012, 47.1122, 70.1082 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 49.4012, 47.1122, 70.1082 by changing the saturation by 10% instead.

■ 49.4012, 47.1122,
70.1082

■ 49.4012, 47.1122,
70.1082

374.8104,
375.2622, 479.7292

■ 35.1537, 33.1244,
51.1374

■ 88.4842, 85.8811,
121.0456

■ 23.9484, 22.2217,
35.9405

114.0504,
111.4309, 153.8493

■ 15.4198, 14.0199,
24.0989

144.1201,
141.6035, 192.1010

■ 9.2028, 8.1345,
15.1941

179.0589,
176.7833, 236.2193

■ 4.9319, 4.1811,
8.8076

219.2319,
217.3547, 286.6228

■ 2.2417, 1.7754,
4.5208

265.0046,

■ 0.7646, 0.4718,

263.7020, 343.7299

1.9152

316.7423,
316.2097, 407.9592

■ 0.0000, 0.0000,
0.5024

■ 0.0000, 0.0000,
0.0000

■ 49.4012, 47.1122,
70.1082

■ 49.4012, 47.1122,
70.1082

■ 42.5255, 37.8230,
68.6783

■ 57.2054, 57.8644,
71.7730

■ 36.5365, 29.9258,
67.4697

■ 65.9689, 70.1346,
73.6795

■ 31.3956, 23.3521,
66.4718

■ 75.7262, 83.9822,
75.8381

■ 27.0593, 18.0257,
65.6722

■ 84.3657, 95.1750,
77.5432

■ 23.4799, 13.8617,
65.0571

■ 88.7534, 97.4370,
77.7485

■ 20.6038, 10.7646,
64.6109

■ 89.1377, 97.6351,
77.7665

■ 18.3693, 8.6226,
64.3153

■ 16.6920, 7.2803,
64.1446

■ 16.3639, 7.0338,
64.1143

Harmonies

Analogous

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



45.7092, 47.1122, 75.3325



49.4012, 47.1122, 70.1082



51.9525, 47.1122, 59.9675

Triad

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



49.4012, 47.1122, 70.1082



47.7118, 47.1122, 34.1361



37.8296, 47.1122, 53.9896

Complementary

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



49.4012, 47.1122, 70.1082



55.1734, 63.2347, 50.3741

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.



38.2978, 47.1122, 43.5056



49.4012, 47.1122, 70.1082



43.8609, 47.1122, 33.0098

Square

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



49.4012, 47.1122, 70.1082



50.9388, 47.1122, 39.5261



40.4540, 47.1122, 36.1934



39.1365, 47.1122, 65.1999

Rectangle

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



49.4012, 47.1122, 70.1082



52.5851, 47.1122, 52.3497



40.4540, 47.1122, 36.1934



37.7859, 47.1122, 50.2588

Sweetspot

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



49.4026, 47.1142, 70.1092



88.4527, 90.7599, 107.4642



50.2760, 54.5512, 71.4987



18.7404, 19.1584, 22.9602



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.



49.4026, 47.1142, 70.1092



69.7809, 65.0500, 103.4858



54.4806, 49.7319, 70.3469



12.2332, 12.2616, 15.6595



10.0038, 4.3097, 38.7577



0.6967, 0.3080, 2.3420

Inverse Universe

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



53.4515, 49.4261, 60.1512



76.8618, 69.0954, 85.9683



50.5136, 60.8325, 50.1560



12.7217, 12.5402, 14.4745



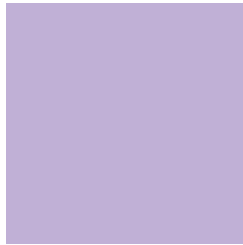
19.0101, 9.5404, 12.6233



1.1875, 0.5918, 0.9769

Previews

White Background



This preview shows how the XYZ color 49.4012, 47.1122, 70.1082 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 49.4012, 47.1122, 70.1082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

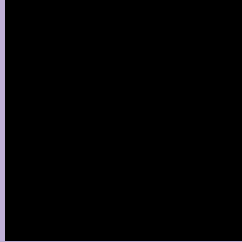
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4012, 47.1122, 70.1082

Background



This preview shows how black text looks on a background with the XYZ color 49.4012, 47.1122, 70.1082.



This preview shows how white text looks on a background with the XYZ color 49.4012, 47.1122,

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

49.4012, 47.1122, 70.1082

Protanopia

46.7275, 47.1715, 72.2878

Deuteranopia

48.3077, 47.1349, 70.1702



Tritanopia

47.0451, 47.3564, 57.7001

Trichromacy



Original Color

49.4012, 47.1122, 70.1082

Protanomaly

47.5708, 47.0218, 71.5346

Deuteranomaly

48.5988, 46.9907, 70.1270

Tritanomaly

47.8979, 47.4044, 61.8838

Monochromacy



Original Color

49.4012, 47.1122, 70.1082

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.4308, 48.1328, 59.0152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4012, 47.1122, 70.1082 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(192, 176, 214)` looks like.

```
.text, #text, p{  
    color:rgb(192, 176, 214)  
}
```

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(192, 176, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 176, 214) }
```

Border

The CSS property to change the border of an element to XYZ 49.4012, 47.1122, 70.1082 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(192, 176, 214) }
```


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

```
.border{ border-color:rgb(192, 176, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 176, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 176, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 176, 214);  
box-shadow:4px 4px 4px 4px rgb(192, 176,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4012, 47.1122, 70.1082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 176, 214) }
```

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

```
.background{ background-color: rgb(192,  
176, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor