

Converting Colors

XYZ(48.7500, 47.4770, 72.3999)

Have a look what the booklet for
XYZ(48.7500, 47.4770, 72.3999)
contains.

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Color

**XYZ(48.8942, 47.6891,
72.2735)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB3D9
RGB	186, 179, 217
RGB Percent	73%, 70%, 85%
CMY	0.2706, 0.2980, 0.1490
CMYK	0.14, 0.18, 0.00, 0.15
HSL	251°, 33%, 78%
HSV	251°, 18%, 85%
XYZ	48.8942, 47.6891, 72.2735
YIQ	185.4250, -8.0260, 13.3020

Conversions

Conversions Part 2

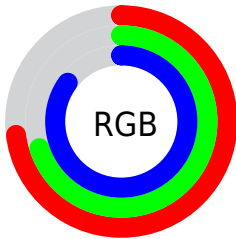
Format	Color
RYB	186, 179, 217
Decimal	12235737
CIELab	74.63, 9.99, -18.21
CIELCh	75, 20.768, 298.753
Yxy	47.6891, 0.2896, 0.2824
Android (android.graphics.Color)	4290425817 (0xFFBAB3D9)
YUV	185.4250, 15.5665, 0.5043
Hunter-Lab	69.0573, 5.5320, -13.7112

Details

The XYZ color **48.8942, 47.6891, 72.2735** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.5295, 66.5832, 52.3644**, and the grayscale version is **46.2712, 48.6809, 53.0135**.

A 20% lighter version of the original color is **84.3763, 85.5139, 106.6665**, and **23.6553, 22.5169, 37.2818** is the 20% darker color. If you saturate the color by 10%, you get **40.8451, 37.5844, 70.7481**, and if you desaturate by 10%, it is **58.1636, 59.4412, 74.0541**.

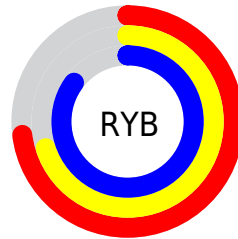
Distribution



Red (73%)

Green (70%)

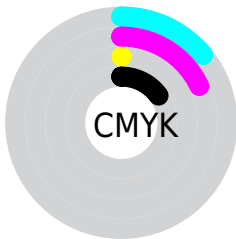
Blue (85%)



Red (73%)

Yellow (70%)

Blue (85%)

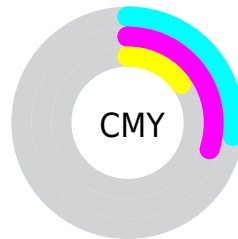


Cyan (14%)

Magenta (18%)

Yellow (0%)

Black (15%)



Cyan (27%)

Magenta (30%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8942, 47.6891, 72.2735 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 48.8942, 47.6891, 72.2735 by changing the saturation by 10% instead.

■ 48.8942, 47.6891,
72.2735

■ 48.8942, 47.6891,
72.2735

372.8495,
377.5585, 487.4961

■ 34.7497, 33.5807,
52.8939

■ 87.7360, 86.7413,
124.1566

■ 23.6358, 22.5717,
37.3310

113.1640,
112.4540, 157.4973

■ 15.1869, 14.2776,
25.1660

143.0839,
142.8035, 196.3287

■ 9.0379, 8.3140,
15.9807

177.8611,
178.1744, 241.0694

■ 4.8232, 4.2965,
9.3563

217.8609,
218.9509, 292.1379

■ 2.1776, 1.8408,
4.8743

263.4487,

■ 0.7309, 0.5124,

265.5175, 349.9529

2.1163

314.9898,
318.2585, 414.9328

■ 0.0000, 0.0000,
0.6254

■ 0.0000, 0.0000,
0.0000

■ 48.8942, 47.6891,
72.2735

■ 48.8942, 47.6891,
72.2735

■ 40.8451, 37.5844,
70.7481

■ 58.1636, 59.4412,
74.0541

■ 33.9604, 29.0474,
69.4631

■ 68.6969, 72.9040,
76.0975

■ 28.1867, 22.0005,
68.4073

■ 80.5414, 88.1445,
78.4150

■ 23.4643, 16.3570,
67.5669

■ 89.5245, 97.7898,
79.8032

■ 19.7278, 12.0215,
66.9269

■ 16.9044, 8.8860,
66.4705

■ 14.9102, 6.8250,
66.1779

■ 13.6380, 5.6709,
66.0221

■ 13.3982, 5.4602,
65.9941

Harmonies

Analogous

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



45.1699, 47.6891, 75.4964



48.8942, 47.6891, 72.2735



51.7927, 47.6891, 63.4225

Triad

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



48.8942, 47.6891, 72.2735



49.1814, 47.6891, 36.1600



38.4769, 47.6891, 51.4760

Complementary

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



48.8942, 47.6891, 72.2735



59.5295, 66.5832, 52.3644

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.



39.4232, 47.6891, 41.9090



48.8942, 47.6891, 72.2735



45.4846, 47.6891, 33.8550

Square

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



48.8942, 47.6891, 72.2735



51.9649, 47.6891, 42.5893



41.9378, 47.6891, 35.8071



39.2800, 47.6891, 62.5348

Rectangle

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



48.8942, 47.6891, 72.2735



52.7935, 47.6891, 56.0690



41.9378, 47.6891, 35.8071



38.6000, 47.6891, 47.9910

Sweetspot

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



48.8957, 47.6911, 72.2746



87.3927, 90.2135, 107.4146



54.1711, 60.7045, 74.5084



18.4834, 19.0259, 22.9481



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.



48.8957, 47.6911, 72.2746



65.9952, 63.0984, 103.3086



53.8137, 50.2264, 72.5047



12.5613, 12.7320, 16.4476



8.1752, 3.3387, 39.9519



0.5970, 0.2510, 2.5914

Inverse Universe

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



56.3698, 51.6471, 67.9728



78.7342, 69.8444, 95.8281



54.4453, 63.9622, 52.1265



13.5061, 13.2316, 15.9266



22.1646, 10.8669, 26.3105



1.4632, 0.7149, 1.8481

Previews

White Background



This preview shows how the XYZ color 48.8942, 47.6891, 72.2735 looks on a white background.

Color Contrast Check

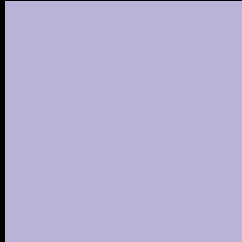
Large Text (above 18pt) WCAG AA × Fail

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 48.8942, 47.6891, 72.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

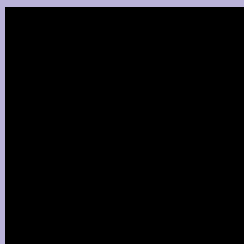
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8942, 47.6891, 72.2735

Background



This preview shows how black text looks on a background with the XYZ color 48.8942, 47.6891, 72.2735.



This preview shows how white text looks on a background with the XYZ color 48.8942, 47.6891,

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

48.8942, 47.6891, 72.2735

Protanopia

47.4186, 47.8005, 73.7450

Deuteranopia

48.6521, 47.5642, 72.2622



Tritanopia

46.3344, 47.5544, 59.5602

Trichromacy



Original Color

48.8942, 47.6891, 72.2735

Protanomaly

48.0012, 47.8130, 73.0286

Deuteranomaly

48.6521, 47.5642, 72.2622

Tritanomaly

47.1901, 47.5977, 63.8268

Monochromacy



Original Color

48.8942, 47.6891, 72.2735

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.0191, 48.2125, 59.6511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8942, 47.6891, 72.2735 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(186, 179, 217)` looks like.

```
.text, #text, p{  
    color:rgb(186, 179, 217)  
}
```

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(186, 179, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 179, 217) }
```

Border

The CSS property to change the border of an element to XYZ 48.8942, 47.6891, 72.2735 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(186, 179, 217) }
```


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

```
.border{ border-color:rgb(186, 179, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 179, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 179, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 179, 217);  
box-shadow:4px 4px 4px 4px rgb(186, 179,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8942, 47.6891, 72.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 179, 217) }
```

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

```
.background{ background-color: rgb(186,  
179, 217) }
```

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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