

Converting Colors

XYZ(49.1650, 48.4609, 69.4890)

Have a look what the booklet for
XYZ(49.1650, 48.4609, 69.4890)
contains.

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Color

**XYZ(49.2732, 48.5432,
69.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB5D5
RGB	188, 181, 213
RGB Percent	74%, 71%, 84%
CMY	0.2627, 0.2902, 0.1647
CMYK	0.12, 0.15, 0.00, 0.16
HSL	253°, 28%, 77%
HSV	253°, 15%, 84%
XYZ	49.2732, 48.5432, 69.7236
YIQ	186.7410, -6.1000, 11.4360

Conversions

Conversions Part 2

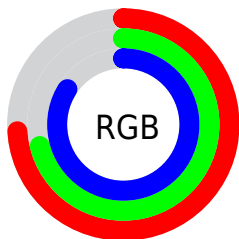
Format	Color
R_{YB}	188, 181, 213
Decimal	12367317
CIE _{Lab}	75.17, 8.70, -15.20
CIE _{LCh}	75, 17.519, 299.792
Yxy	48.5432, 0.2941, 0.2897
Android (android.graphics.Color)	4290557397 (0xFFBCB5D5)
YUV	186.7410, 12.9457, 1.1041
Hunter-Lab	69.6730, 4.3088, -10.5620

Details

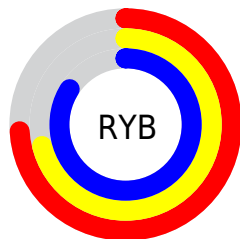
The XYZ color **49.2732, 48.5432, 69.7236** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **57.5899, 64.0477, 53.0454**, and the grayscale version is **47.0213, 49.4701, 53.8729**.

A 20% lighter version of the original color is **85.6424, 87.0215, 106.8907**, and **23.8824, 23.0579, 35.5396** is the 20% darker color. If you saturate the color by 10%, you get **41.4032, 38.5417, 68.2087**, and if you desaturate by 10%, it is **58.2811, 60.1167, 71.4835**.

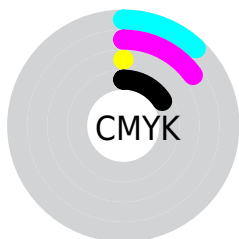
Distribution



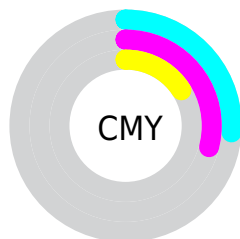
- Red (74%)
- Green (71%)
- Blue (84%)



- Red (74%)
- Yellow (71%)
- Blue (84%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (26%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2732, 48.5432, 69.7236 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 49.2732, 48.5432, 69.7236 by changing the saturation by 10% instead.

■ 49.2732, 48.5432,
69.7236

■ 49.2732, 48.5432,
69.7236

374.3160,
380.9412, 478.3418

■ 35.0517, 34.2573,
50.8258

■ 88.2954, 88.0126,
120.4919

■ 23.8694, 23.0913,
35.6942

113.8267,
113.9649, 153.1995

■ 15.3610, 14.6609,
23.9103

143.8587,
144.5747, 191.3475

■ 9.1611, 8.5818,
15.0555

178.7567,
180.2265, 235.3544

■ 4.9043, 4.4694,
8.7113

218.8861,
221.3047, 285.6387

■ 2.2254, 1.9395,
4.4591

264.6122,

■ 0.7561, 0.5719,

268.1936, 342.6191

1.8805

316.3004,
321.2776, 406.7139

■ 0.0000, 0.0000,
0.4803

■ 0.0000, 0.0000,
0.0000

■ 49.2732, 48.5432,
69.7236

■ 49.2732, 48.5432,
69.7236

■ 41.4032, 38.5417,
68.2087

■ 58.2811, 60.1167,
71.4835

■ 34.6206, 30.0380,
66.9248

■ 68.4656, 73.3200,
73.4952

■ 28.8778, 22.9608,
65.8614

■ 79.8693, 88.2157,
75.7693

■ 24.1217, 17.2306,
65.0061

■ 88.8518, 97.5024,
77.0884

■ 20.2945, 12.7600,
64.3449

■ 89.0104, 97.5842,
77.0958

■ 17.3317, 9.4511,
63.8623

■ 15.1605, 7.1910,
63.5405

■ 13.6940, 5.8430,
63.3576

■ 13.1636, 5.3987,
63.2998

Harmonies

Analogous

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



46.1164, 48.5432, 72.5707



49.2732, 48.5432, 69.7236



51.6798, 48.5432, 62.2552

Triad

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



49.2732, 48.5432, 69.7236



49.3138, 48.5432, 39.0064



40.2391, 48.5432, 52.7910

Complementary

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



49.2732, 48.5432, 69.7236



57.5899, 64.0477, 53.0454

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.



41.0089, 48.5432, 44.4527



49.2732, 48.5432, 69.7236



46.1613, 48.5432, 37.0792

Square

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



49.2732, 48.5432, 69.7236



51.7040, 48.5432, 44.5519



43.1403, 48.5432, 38.9539



40.9881, 48.5432, 62.1311

Rectangle

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



49.2732, 48.5432, 69.7236



52.4823, 48.5432, 56.0497



43.1403, 48.5432, 38.9539



40.3283, 48.5432, 49.7846

Sweetspot

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



49.2747, 48.5452, 69.7247



87.5462, 90.2926, 107.4218



53.1552, 58.8040, 71.5003



18.5206, 19.0451, 22.9499



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.



49.2747, 48.5452, 69.7247



70.1302, 67.9516, 104.0275



53.4192, 50.6818, 69.9186



11.9940, 12.1383, 15.6483



8.1126, 3.3347, 38.6692



0.5612, 0.2382, 2.3357

Inverse Universe

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



55.1066, 51.6521, 65.4600



80.5405, 73.5002, 96.2972



53.3881, 61.8816, 52.8488



12.8313, 12.5840, 15.0521



21.0291, 10.3479, 23.2549



1.2978, 0.6359, 1.5578

Previews

White Background



This preview shows how the XYZ color 49.2732, 48.5432, 69.7236 looks on a white background.

Color Contrast Check

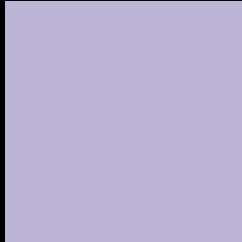
Large Text (above 18pt) WCAG AA × Fail

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 49.2732, 48.5432, 69.7236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

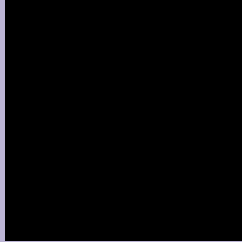
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2732, 48.5432, 69.7236

Background



This preview shows how black text looks on a background with the XYZ color 49.2732, 48.5432, 69.7236.



This preview shows how white text looks on a background with the XYZ color 49.2732, 48.5432,

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

49.2732, 48.5432, 69.7236

Protanopia

47.9966, 48.7710, 71.1740

Deuteranopia

49.5667, 48.3938, 69.6793



Tritanopia

47.5832, 48.7973, 60.3370

Trichromacy



Original Color

49.2732, 48.5432, 69.7236

Protanomaly

48.3625, 48.6671, 70.4630

Deuteranomaly

49.3178, 48.2654, 69.6676

Tritanomaly

48.2065, 48.7436, 63.3676

Monochromacy



Original Color

49.2732, 48.5432, 69.7236

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.8063, 49.2482, 59.2108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2732, 48.5432, 69.7236 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(188, 181, 213)` looks like.

```
.text, #text, p{  
    color:rgb(188, 181, 213)  
}
```

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(188, 181, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.2732, 48.5432, 69.7236 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(188, 181, 213) }
```


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

```
.border{ border-color:rgb(188, 181, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 181, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 213);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2732, 48.5432, 69.7236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 213) }
```

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

```
.background{ background-color: rgb(188,  
181, 213) }
```

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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