

Converting Colors

XYZ(49.0176, 48.3666, 71.8563)

Have a look what the booklet for
XYZ(49.0176, 48.3666, 71.8563)
contains.

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Color

**XYZ(48.9261, 48.3199,
71.7137)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B5D8
RGB	185, 181, 216
RGB Percent	73%, 71%, 85%
CMY	0.2745, 0.2902, 0.1529
CMYK	0.14, 0.16, 0.00, 0.15
HSL	247°, 31%, 78%
HSV	247°, 16%, 85%
XYZ	48.9261, 48.3199, 71.7137
YIQ	186.1860, -8.8510, 11.7330

Conversions

Conversions Part 2

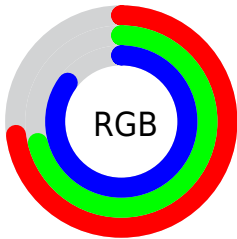
Format	Color
R_{YB}	185, 181, 216
Decimal	12170712
CIE Lab	75.03, 8.36, -17.07
CIE LCh	75, 19.008, 296.100
Yxy	48.3199, 0.2896, 0.2860
Android (android.graphics.Color)	4290360792 (0xFFB9B5D8)
YUV	186.1860, 14.6983, -1.0401
Hunter-Lab	69.5125, 3.9896, -12.5087

Details

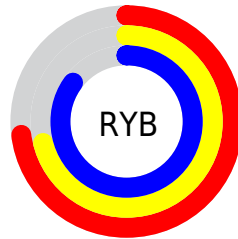
The XYZ color **48.9261, 48.3199, 71.7137** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.0494, 66.4462, 53.3788**, and the grayscale version is **46.7013, 49.1334, 53.5063**.

A 20% lighter version of the original color is **84.6098, 86.4891, 106.8424**, and **23.6679, 22.9171, 36.8942** is the 20% darker color. If you saturate the color by 10%, you get **40.5610, 37.9863, 70.1608**, and if you desaturate by 10%, it is **58.5962, 60.3395, 73.5248**.

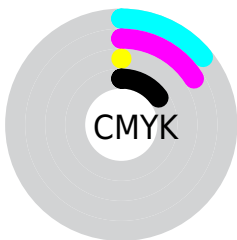
Distribution



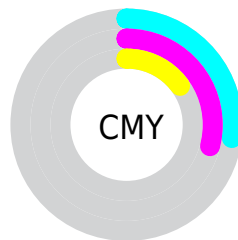
- Red (73%)
- Green (71%)
- Blue (85%)



- Red (73%)
- Yellow (71%)
- Blue (85%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (27%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9261, 48.3199, 71.7137 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 48.9261, 48.3199, 71.7137 by changing the saturation by 10% instead.

■ 48.9261, 48.3199,
71.7137

■ 48.9261, 48.3199,
71.7137

372.9731,
380.0587, 485.4952

■ 34.7752, 34.0803,
52.4394

■ 87.7831, 87.6805,
123.3533

■ 23.6554, 22.9553,
36.9708

113.2198,
113.5703, 156.5558

■ 15.2016, 14.5605,
24.8893

143.1492,
144.1123, 195.2380

■ 9.0482, 8.5115,
15.7763

177.9365,
179.6908, 239.8186

■ 4.8300, 4.4240,
9.2134

217.9473,
220.6904, 290.7161

■ 2.1816, 1.9134,
4.7819

263.5467,

■ 0.7330, 0.5564,

267.4953, 348.3490

2.0634

315.1002,
320.4899, 413.1358

■ 0.0000, 0.0000,
0.5938

■ 0.0000, 0.0000,
0.0000

■ 48.9261, 48.3199,
71.7137

■ 48.9261, 48.3199,
71.7137

■ 40.5610, 37.9863,
70.1608

■ 58.5962, 60.3395,
73.5248

■ 33.4406, 29.2574,
68.8512

■ 69.6193, 74.1097,
75.6017

■ 27.5063, 22.0543,
67.7736

■ 82.0466, 89.6987,
77.9557

■ 22.6932, 16.2889,
66.9145

■ 89.3948, 97.7379,
79.1202

■ 18.9300, 11.8641,
66.2588

■ 16.1370, 8.6707,
65.7896

■ 14.2230, 6.5823,
65.4873

■ 13.0777, 5.4421,
65.3276

■ 12.7877, 5.1605,
65.2886

Harmonies

Analogous

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



45.4741, 48.3199, 74.0812



48.9261, 48.3199, 71.7137



51.6925, 48.3199, 64.0105

Triad

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



48.9261, 48.3199, 71.7137



49.7510, 48.3199, 38.2872



39.5840, 48.3199, 51.3226

Complementary

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



48.9261, 48.3199, 71.7137



60.0494, 66.4462, 53.3788

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.



40.6063, 48.3199, 42.6542



48.9261, 48.3199, 71.7137



46.3821, 48.3199, 35.7521

Square

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



48.9261, 48.3199, 71.7137



52.1853, 48.3199, 44.6425



43.0523, 48.3199, 37.2448



40.1895, 48.3199, 61.4780

Rectangle

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



48.9261, 48.3199, 71.7137



52.7154, 48.3199, 57.3394



43.0523, 48.3199, 37.2448



39.7472, 48.3199, 48.1522

Sweetspot

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



48.9276, 48.3219, 71.7148



87.0830, 90.0538, 107.4001



55.1209, 62.1202, 74.0517



18.4084, 18.9873, 22.9446



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.



48.9276, 48.3219, 71.7148



67.4297, 65.6375, 103.7231



53.2773, 50.5643, 71.9183



11.8730, 12.0759, 15.6426



7.6151, 3.0783, 38.6460



0.5045, 0.2090, 2.3331

Inverse Universe

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



56.7280, 52.4022, 69.4143



80.6156, 72.5365, 99.7557



55.4035, 64.0512, 53.1614



12.8891, 12.6071, 15.3561



22.3750, 10.8863, 30.3424



1.3673, 0.6637, 1.9236

Previews

White Background



This preview shows how the XYZ color 48.9261, 48.3199, 71.7137 looks on a white background.

Color Contrast Check

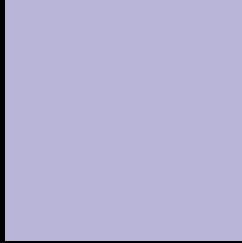
Large Text (above 18pt) WCAG AA × Fail

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 48.9261, 48.3199, 71.7137 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 48.9261, 48.3199, 71.7137

Background



This preview shows how black text looks on a background with the XYZ color 48.9261, 48.3199, 71.7137.



This preview shows how white text looks on a background with the XYZ color 48.9261, 48.3199,

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

48.9261, 48.3199, 71.7137

Protanopia

47.8180, 48.3417, 72.4562

Deuteranopia

49.2094, 48.1652, 71.6689



Tritanopia

46.7407, 48.3496, 60.9017

Trichromacy



Original Color

48.9261, 48.3199, 71.7137

Protanomaly

48.3084, 48.2894, 72.4203

Deuteranomaly

48.9656, 48.0395, 71.6575

Tritanomaly

47.4814, 48.3420, 64.5860

Monochromacy



Original Color

48.9261, 48.3199, 71.7137

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.4682, 48.7513, 59.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9261, 48.3199, 71.7137 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(185, 181, 216)` looks like.

```
.text, #text, p{  
    color:rgb(185, 181, 216)  
}
```

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(185, 181, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 181, 216) }
```

Border

The CSS property to change the border of an element to XYZ 48.9261, 48.3199, 71.7137 is called "border". The border property can be set on classes, ids or directly on the HTML element.

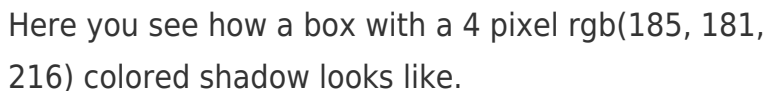
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 181, 216) }
```


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

```
.border{ border-color:rgb(185, 181, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 181, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 181, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 181, 216); box-shadow:4px 4px 4px 4px rgb(185, 181, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9261, 48.3199, 71.7137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 181, 216) }
```

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

```
.background{ background-color: rgb(185,  
181, 216) }
```

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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