

Converting Colors

XYZ(48.1513, 47.2818, 68.3131)

Have a look what the booklet for
XYZ(48.1513, 47.2818, 68.3131)
contains.

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Color

**XYZ(48.1277, 47.3825,
68.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	BAB3D3
RGB	186, 179, 211
RGB Percent	73%, 70%, 83%
CMY	0.2706, 0.2980, 0.1725
CMYK	0.12, 0.15, 0.00, 0.17
HSL	253°, 27%, 76%
HSV	253°, 15%, 83%
XYZ	48.1277, 47.3825, 68.2371
YIQ	184.7410, -6.1000, 11.4360

Conversions

Conversions Part 2

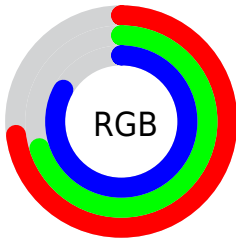
Format	Color
R_{YB}	186, 179, 211
Decimal	12235731
CIE _{Lab}	74.43, 8.72, -15.23
CIE _{LCh}	74, 17.554, 299.802
Yxy	47.3825, 0.2939, 0.2894
Android (android.graphics.Color)	4290425811 (0xFFBAB3D3)
YUV	184.7410, 12.9457, 1.1041
Hunter-Lab	68.8349, 4.3416, -10.5906

Details

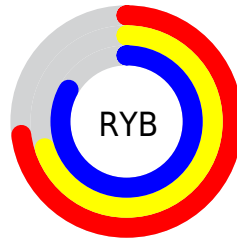
The XYZ color **48.1277, 47.3825, 68.2371** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.3344, 62.6818, 51.7798**, and the grayscale version is **45.9043, 48.2949, 52.5931**.

A 20% lighter version of the original color is **84.3763, 85.5139, 106.6665**, and **23.1345, 22.3086, 34.5392** is the 20% darker color. If you saturate the color by 10%, you get **40.4417, 37.6165, 66.7579**, and if you desaturate by 10%, it is **56.9257, 58.6848, 69.9557**.

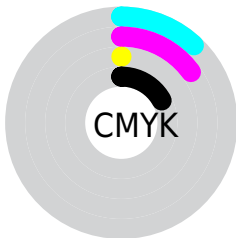
Distribution



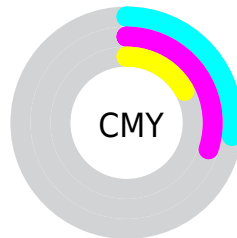
- Red (73%)
- Green (70%)
- Blue (83%)



- Red (73%)
- Yellow (70%)
- Blue (83%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (27%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1277, 47.3825, 68.2371 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 48.1277, 47.3825, 68.2371 by changing the saturation by 10% instead.

■ 48.1277, 47.3825,
68.2371

■ 48.1277, 47.3825,
68.2371

369.8722,
376.3393, 472.9565

■ 34.1397, 33.3381,
49.6228

■ 86.6031, 86.2843,
118.3487

■ 23.1643, 22.3856,
34.7447

111.8211,
111.9105, 150.6830

■ 14.8363, 14.1405,
23.1843

141.5132,
142.1661, 188.4277

■ 8.7901, 8.2185,
14.5231

176.0448,
177.4356, 232.0014

■ 4.6605, 4.2351,
8.3425

215.7811,
218.1032, 281.8226

■ 2.0822, 1.8059,
4.2240

261.0875,

■ 0.6795, 0.4908,

264.5534, 338.3098

1.7490

312.3295,
317.1707, 401.8816

■ 0.0000, 0.0000,
0.3940

■ 0.0000, 0.0000,
0.0000

■ 48.1277, 47.3825,
68.2371

■ 48.1277, 47.3825,
68.2371

■ 40.4417, 37.6165,
66.7579

■ 56.9257, 58.6848,
69.9557

■ 33.8185, 29.3142,
65.5045

■ 66.8738, 71.5801,
71.9204

■ 28.2115, 22.4059,
64.4666

■ 78.0135, 86.1293,
74.1416

■ 23.5686, 16.8138,
63.6319

■ 87.6427, 96.9082,
75.7146

■ 19.8334, 12.4524,
62.9869

■ 88.7580, 97.4832,
75.7668

■ 16.9428, 9.2259,
62.5165

■ 14.8255, 7.0237,
62.2030

■ 13.3964, 5.7122,
62.0252

■ 12.8913, 5.2874,
61.9698

Harmonies

Analogous

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



45.0146, 47.3825, 71.0515



48.1277, 47.3825, 68.2371



50.5015, 47.3825, 60.8617

Triad

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



48.1277, 47.3825, 68.2371



48.1658, 47.3825, 37.9493



39.2213, 47.3825, 51.5312

Complementary

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



48.1277, 47.3825, 68.2371



56.3344, 62.6818, 51.7798

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.



39.9791, 47.3825, 43.3139



48.1277, 47.3825, 68.2371



45.0567, 47.3825, 36.0549

Square

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



48.1277, 47.3825, 68.2371



50.5242, 47.3825, 43.4069



42.0789, 47.3825, 37.9002



39.9597, 47.3825, 60.7452

Rectangle

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



48.1277, 47.3825, 68.2371



51.2931, 47.3825, 54.7385



42.0789, 47.3825, 37.9002



39.3090, 47.3825, 48.5675

Sweetspot

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



48.1291, 47.3845, 68.2382



87.5462, 90.2926, 107.4218



51.9585, 57.5057, 69.9899



18.5205, 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.



48.1291, 47.3845, 68.2382



70.1300, 67.9515, 104.0274



52.2186, 49.4927, 68.4295



11.4020, 11.5405, 14.8703



7.8519, 3.2281, 37.4017



0.5084, 0.2163, 2.0945

Inverse Universe

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



53.8847, 50.4508, 64.0268



80.5406, 73.5003, 96.2976



52.1880, 60.5442, 51.5857



12.1955, 11.9629, 14.3053



20.3426, 10.0099, 22.5083



1.1655, 0.5709, 1.4065

Previews

White Background



This preview shows how the XYZ color 48.1277, 47.3825, 68.2371 looks on a white background.

Color Contrast Check

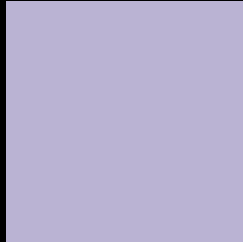
Large Text (above 18pt) WCAG AA × Fail

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 48.1277, 47.3825, 68.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

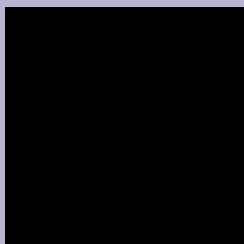
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1277, 47.3825, 68.2371

Background



This preview shows how black text looks on a background with the XYZ color 48.1277, 47.3825, 68.2371.



This preview shows how white text looks on a background with the XYZ color 48.1277, 47.3825,

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

48.1277, 47.3825, 68.2371

Protanopia

46.8697, 47.6071, 69.6696

Deuteranopia

48.3715, 47.5081, 68.2486



Tritanopia

46.2202, 47.5087, 58.9586

Trichromacy



Original Color

48.1277, 47.3825, 68.2371

Protanomaly

47.2299, 47.5045, 68.9674

Deuteranomaly

48.3715, 47.5081, 68.2486

Tritanomaly

46.8337, 47.4551, 61.9497

Monochromacy



Original Color

48.1277, 47.3825, 68.2371

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.6787, 48.0763, 57.8584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1277, 47.3825, 68.2371 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(186, 179, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 179, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.1277, 47.3825, 68.2371 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, 211) }
```


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

```
.border{ border-color:rgb(186, 179, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 179, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 179, 211);  
box-shadow:4px 4px 4px 4px rgb(186, 179,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1277, 47.3825, 68.2371 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, 211) }
```

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

```
.background{ background-color: rgb(186,  
179, 211) }
```

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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