

Converting Colors

XYZ(48.1972, 47.1956, 81.0964)

Have a look what the booklet for
XYZ(48.1972, 47.1956, 81.0964)
contains.

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Color

**XYZ(48.3075, 47.1835,
81.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B3E6
RGB	176, 179, 230
RGB Percent	69%, 70%, 90%
CMY	0.3098, 0.2980, 0.0980
CMYK	0.23, 0.22, 0.00, 0.10
HSL	237°, 52%, 80%
HSV	237°, 23%, 90%
XYZ	48.3075, 47.1835, 81.4242
YIQ	183.9170, -18.1590, 15.2250

Conversions

Conversions Part 2

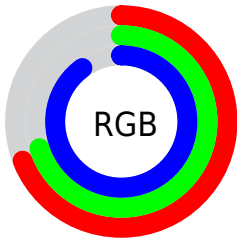
Format	Color
R_{YB}	176, 179, 230
Decimal	11580390
CIE _{Lab}	74.31, 9.77, -25.83
CIE _{LCh}	74, 27.618, 290.709
Yxy	47.1835, 0.2731, 0.2667
Android (android.graphics.Color)	4289770470 (0xFFB0B3E6)
YUV	183.9170, 22.7189, -6.9432
Hunter-Lab	68.6902, 5.3250, -22.1981

Details

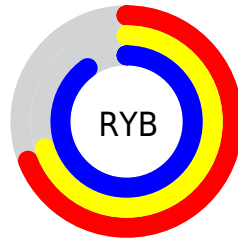
The XYZ color **48.3075, 47.1835, 81.4242** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.9392, 74.8958, 51.9511**, and the grayscale version is **45.4012, 47.7656, 52.0167**.

A 20% lighter version of the original color is **81.0370, 83.7925, 106.5102**, and **23.1269, 22.1153, 43.0942** is the 20% darker color. If you saturate the color by 10%, you get **39.5252, 36.6953, 79.8634**, and if you desaturate by 10%, it is **58.6597, 59.5012, 83.2569**.

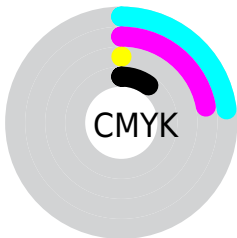
Distribution



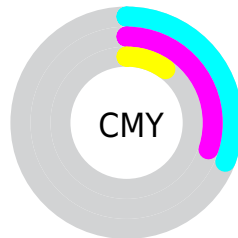
- Red (69%)
- Green (70%)
- Blue (90%)



- Red (69%)
- Yellow (70%)
- Blue (90%)



- Cyan (23%)
- Magenta (22%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3075, 47.1835, 81.4242 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 48.3075, 47.1835, 81.4242 by changing the saturation by 10% instead.

■ 48.3075, 47.1835,
81.4242

■ 48.3075, 47.1835,
81.4242

370.5720,
375.5465, 519.5524

■ 34.2827, 33.1807,
60.3580

■ 86.8690, 85.9875,
137.1957

■ 23.2748, 22.2649,
43.2801

112.1364,
111.5575, 172.7380

■ 14.9184, 14.0517,
29.7719

141.8821,
141.7520, 213.9428

■ 8.8481, 8.1566,
19.4149

176.4714,
176.9555, 261.2286

■ 4.6985, 4.1953,
11.7906

216.2697,
217.5522, 315.0139

■ 2.1044, 1.7834,
6.4805

261.6424,

■ 0.6916, 0.4768,

263.9268, 375.7173

3.0659

312.9547,
316.4634, 443.7573

■ 0.0000, 0.0000,
1.1284

■ 0.0000, 0.0000,
0.0000

■ 48.3075, 47.1835,
81.4242

■ 48.3075, 47.1835,
81.4242

■ 39.5252, 36.6953,
79.8634

■ 58.6597, 59.5012,
83.2569

■ 32.2317, 27.9440,
78.5587

■ 70.6483, 73.7237,
85.3703

■ 26.3459, 20.8375,
77.4972

■ 84.3418, 89.9293,
87.7765

■ 21.7767, 15.2728,
76.6639

■ 91.2831, 98.4932,
89.0637

■ 18.4227, 11.1354,
76.0421

■ 16.1672, 8.2948,
75.6127

■ 14.8710, 6.5965,
75.3532

■ 14.4243, 5.9956,
75.2608

Harmonies

Analogous

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



43.3230, 47.1835, 83.3529



48.3075, 47.1835, 81.4242



52.6474, 47.1835, 70.7044

Triad

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



48.3075, 47.1835, 81.4242



51.1671, 47.1835, 32.9883



36.0702, 47.1835, 47.0863

Complementary

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



48.3075, 47.1835, 81.4242



67.9392, 74.8958, 51.9511

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.



37.8569, 47.1835, 35.9344



48.3075, 47.1835, 81.4242



46.4054, 47.1835, 28.8424

Square

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



48.3075, 47.1835, 81.4242



54.3812, 47.1835, 42.3011



41.5549, 47.1835, 29.8111



36.4970, 47.1835, 61.6613

Rectangle

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



48.3075, 47.1835, 81.4242



54.4731, 47.1835, 60.9460



41.5549, 47.1835, 29.8111



36.4266, 47.1835, 42.8621

Sweetspot

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



48.3090, 47.1854, 81.4253



83.6411, 86.4823, 106.8921



59.9848, 71.3377, 82.8485



17.7027, 18.2737, 22.8441



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.



48.3090, 47.1854, 81.4253



55.6127, 53.1435, 101.9343



53.4689, 48.9620, 81.4962



13.6468, 14.0150, 18.1302



8.1939, 3.4499, 42.6172



0.6283, 0.3006, 3.1569

Inverse Universe

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



56.2964, 51.1296, 49.5518



67.3282, 58.9873, 55.1707



61.7548, 72.9370, 51.8990



14.4093, 14.3809, 15.0898



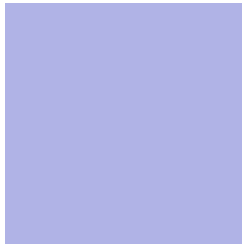
18.5294, 9.5460, 1.1509



1.3808, 0.7100, 0.1457

Previews

White Background



This preview shows how the XYZ color 48.3075, 47.1835, 81.4242 looks on a white background.

Color Contrast Check

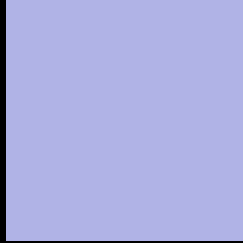
Large Text (above 18pt) WCAG AA × Fail

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 48.3075, 47.1835, 81.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

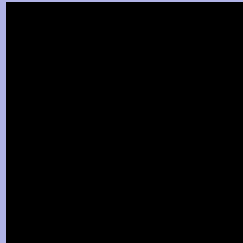
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3075, 47.1835, 81.4242

Background



This preview shows how black text looks on a background with the XYZ color 48.3075, 47.1835, 81.4242.



This preview shows how white text looks on a background with the XYZ color 48.3075, 47.1835,

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

48.3075, 47.1835, 81.4242

Protanopia

47.5252, 47.3633, 82.2385

Deuteranopia

48.3075, 47.1835, 81.4242



Tritanopia

44.2353, 47.3675, 60.8442

Trichromacy



Original Color

48.3075, 47.1835, 81.4242

Protanomaly

47.7583, 47.1827, 82.1913

Deuteranomaly

48.3075, 47.1835, 81.4242

Tritanomaly

45.5796, 47.2908, 67.6985

Monochromacy



Original Color

48.3075, 47.1835, 81.4242

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.3266, 47.4967, 61.9844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3075, 47.1835, 81.4242 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(176, 179, 230)` looks like.

```
.text, #text, p{  
    color:rgb(176, 179, 230)  
}
```

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(176, 179, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 179, 230) }
```

Border

The CSS property to change the border of an element to XYZ 48.3075, 47.1835, 81.4242 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(176, 179, 230) }
```


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

```
.border{ border-color:rgb(176, 179, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 179, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 179, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 179, 230);  
box-shadow:4px 4px 4px 4px rgb(176, 179,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3075, 47.1835, 81.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 179, 230) }
```

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

```
.background{ background-color: rgb(176,  
179, 230) }
```

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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