

Converting Colors

XYZ(46.8820, 47.1233, 63.1249)

Have a look what the booklet for
XYZ(46.8820, 47.1233, 63.1249)
contains.

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Color

**XYZ(46.8679, 47.1447,
63.1295)**

Conversions

Conversions Part 1

Format	Color
Hex	B8B4CB
RGB	184, 180, 203
RGB Percent	72%, 71%, 80%
CMY	0.2784, 0.2941, 0.2039
CMYK	0.09, 0.11, 0.00, 0.20
HSL	250°, 18%, 75%
HSV	250°, 11%, 80%
XYZ	46.8679, 47.1447, 63.1295
YIQ	183.8180, -4.9990, 8.0010

Conversions

Conversions Part 2

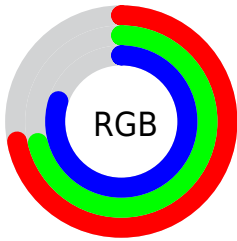
Format	Color
RYB	184, 180, 203
Decimal	12104907
CIELab	74.28, 5.87, -11.11
CIELCh	74, 12.567, 297.843
Yxy	47.1447, 0.2983, 0.3000
Android (android.graphics.Color)	4290294987 (0xFFB8B4CB)
YUV	183.8180, 9.4567, 0.1596
Hunter-Lab	68.6620, 1.6836, -6.4493

Details

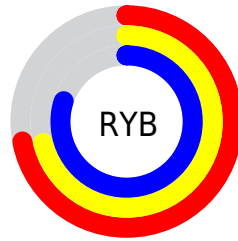
The XYZ color **46.8679, 47.1447, 63.1295** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.1491, 58.1505, 51.6053**, and the grayscale version is **45.4122, 47.7772, 52.0293**.

A 20% lighter version of the original color is **83.9806, 85.7362, 106.7302**, and **22.3743, 22.1740, 31.5345** is the 20% darker color. If you saturate the color by 10%, you get **39.2842, 37.5916, 61.6860**, and if you desaturate by 10%, it is **55.5310, 58.1477, 64.7974**.

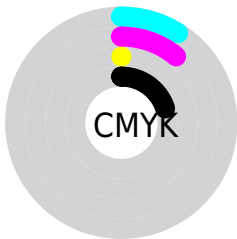
Distribution



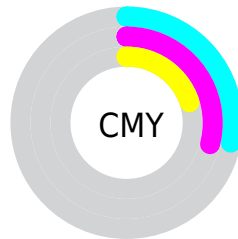
- Red (72%)
- Green (71%)
- Blue (80%)



- Red (72%)
- Yellow (71%)
- Blue (80%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (28%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8679, 47.1447, 63.1295 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 46.8679, 47.1447, 63.1295 by changing the saturation by 10% instead.

■ 46.8679, 47.1447,
63.1295

■ 46.8679, 47.1447,
63.1295

364.9447,
375.3918, 454.1602

■ 33.1387, 33.1501,
45.5043

■ 84.7363, 85.9296,
110.9437

■ 22.3925, 22.2414,
31.5090

109.6064,
111.4886, 141.9698

■ 14.2638, 14.0344,
20.7250

138.9207,
141.6712, 178.2999

■ 8.3873, 8.1446,
12.7339

173.0447,
176.8618, 220.3526

■ 4.3976, 4.1876,
7.1170

212.3438,
217.4448, 268.5465

■ 1.9295, 1.7791,
3.4558

257.1832,

■ 0.5939, 0.4741,

263.8045, 323.3000

1.3318

307.9284,
316.3254, 385.0317

■ 0.0000, 0.0000,
0.0877

■ 0.0000, 0.0000,
0.0000

■ 46.8679, 47.1447,
63.1295

■ 46.8679, 47.1447,
63.1295

■ 39.2842, 37.5916,
61.6860

■ 55.5310, 58.1477,
64.7974

■ 32.7330, 29.4219,
60.4544

■ 65.3093, 70.6516,
66.6955

■ 27.1705, 22.5729,
59.4256

■ 76.2425, 84.7121,
68.8333

■ 22.5476, 16.9744,
58.5886

■ 86.3551, 96.3575,
70.5481

■ 18.8113, 12.5500,
57.9315

■ 87.7796, 97.0918,
70.6147

■ 15.9031, 9.2145,
57.4410

■ 13.7571, 6.8711,
57.1018

■ 12.2965, 5.4055,
56.8959

■ 11.4824, 4.6742,
56.7976

Harmonies

Analogous

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



44.6464, 47.1447, 64.7858



46.8679, 47.1447, 63.1295



48.5862, 47.1447, 58.2382

Triad

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



46.8679, 47.1447, 63.1295



47.1601, 47.1447, 41.5101



40.6100, 47.1447, 50.8660

Complementary

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



46.8679, 47.1447, 63.1295



53.1491, 58.1505, 51.6053

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.



41.2340, 47.1447, 44.9956



46.8679, 47.1447, 63.1295



44.9732, 47.1447, 39.8839

Square

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



46.8679, 47.1447, 63.1295



48.7589, 47.1447, 45.7420



42.8125, 47.1447, 41.1052



41.0796, 47.1447, 57.3610

Rectangle

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



46.8679, 47.1447, 63.1295



49.1888, 47.1447, 53.9956



42.8125, 47.1447, 41.1052



40.6984, 47.1447, 48.7586

Sweetspot

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



46.8693, 47.1467, 63.1305



90.3707, 94.0367, 107.9956



50.0652, 54.9400, 64.4664



19.0816, 19.7950, 23.0651



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.



46.8693, 47.1467, 63.1305



74.6689, 74.1286, 104.9805



49.6943, 48.6030, 63.2627



10.7805, 10.9362, 14.1131



7.3613, 3.0025, 36.1478



0.4371, 0.1845, 1.8675

Inverse Universe

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



51.2603, 49.4647, 60.8812



83.7168, 78.9065, 100.2730



50.2527, 56.6574, 51.4697



11.6006, 11.3690, 13.6973



20.1846, 9.8844, 24.4886



1.0639, 0.5190, 1.3824

Previews

White Background



This preview shows how the XYZ color 46.8679, 47.1447, 63.1295 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 46.8679, 47.1447, 63.1295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

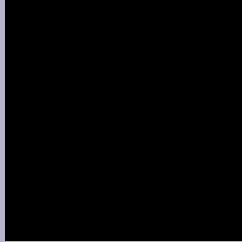
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8679, 47.1447, 63.1295

Background



This preview shows how black text looks on a background with the XYZ color 46.8679, 47.1447, 63.1295.



This preview shows how white text looks on a background with the XYZ color 46.8679, 47.1447,

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

46.8679, 47.1447, 63.1295

Protanopia

46.2453, 47.1107, 63.7826

Deuteranopia

48.1857, 47.2290, 63.0763



Tritanopia

46.0161, 47.1005, 58.8906

Trichromacy



Original Color

46.8679, 47.1447, 63.1295

Protanomaly

46.4790, 47.2311, 63.7936

Deuteranomaly

47.6386, 47.2434, 63.1080

Tritanomaly

46.3611, 47.2385, 60.7073

Monochromacy



Original Color

46.8679, 47.1447, 63.1295

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1046, 47.8189, 56.0902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8679, 47.1447, 63.1295 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(184, 180, 203)` looks like.

```
.text, #text, p{  
    color:rgb(184, 180, 203)  
}
```

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(184, 180, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 180, 203) }
```

Border

The CSS property to change the border of an element to XYZ 46.8679, 47.1447, 63.1295 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(184, 180, 203) }
```


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

```
.border{ border-color:rgb(184, 180, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 180, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 180, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 180, 203);  
box-shadow:4px 4px 4px 4px rgb(184, 180,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8679, 47.1447, 63.1295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 180, 203) }
```

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

```
.background{ background-color: rgb(184,  
180, 203) }
```

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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