

Converting Colors

XYZ(47.6865, 49.2798, 63.4967)

Have a look what the booklet for
XYZ(47.6865, 49.2798, 63.4967)
contains.

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Color

**XYZ(47.8668, 49.4969,
63.5309)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BACB
RGB	183, 186, 203
RGB Percent	72%, 73%, 80%
CMY	0.2823, 0.2706, 0.2039
CMYK	0.10, 0.08, 0.00, 0.20
HSL	231°, 16%, 76%
HSV	231°, 10%, 80%
XYZ	47.8668, 49.4969, 63.5309
YIQ	187.0410, -7.2450, 4.6510

Conversions

Conversions Part 2

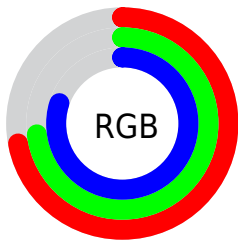
Format	Color
R_{YB}	183, 186, 203
Decimal	12040907
CIE _{Lab}	75.76, 2.29, -8.92
CIE _{LCh}	76, 9.207, 284.395
Yxy	49.4969, 0.2975, 0.3076
Android (android.graphics.Color)	4290230987 (0xFFB7BACB)
YUV	187.0410, 7.8678, -3.5440
Hunter-Lab	70.3540, -1.6734, -4.2921

Details

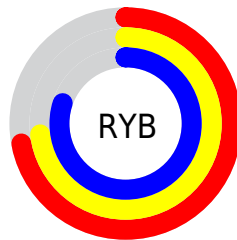
The XYZ color **47.8668, 49.4969, 63.5309** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.8302, 57.4234, 53.0472**, and the grayscale version is **47.2184, 49.6774, 54.0987**.

A 20% lighter version of the original color is **85.3987, 89.0750, 107.2999**, and **23.0183, 23.6908, 31.7934** is the 20% darker color. If you saturate the color by 10%, you get **39.9647, 40.3507, 62.1828**, and if you desaturate by 10%, it is **56.9070, 59.8839, 65.0601**.

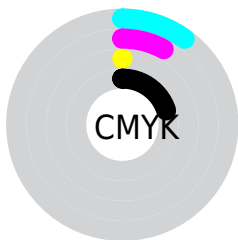
Distribution



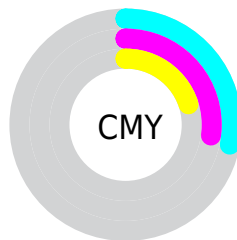
- Red (72%)
- Green (73%)
- Blue (80%)



- Red (72%)
- Yellow (73%)
- Blue (80%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)



- Cyan (28%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8668, 49.4969, 63.5309 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 47.8668, 49.4969, 63.5309 by changing the saturation by 10% instead.

■ 47.8668, 49.4969,
63.5309

■ 47.8668, 49.4969,
63.5309

368.8553,
384.6952, 455.6545

■ 33.9322, 35.0138,
45.8271

■ 86.2169, 89.4290,
111.5280

■ 23.0042, 23.6735,
31.7617

111.3632,
115.6468, 142.6584

■ 14.7173, 15.0916,
20.9162

140.9775,
146.5450, 179.1015

■ 8.7062, 8.8837,
12.8721

175.4250,
182.5080, 221.2756

■ 4.6056, 4.6654,
7.2109

215.0712,
223.9201, 269.5995

■ 2.0502, 2.0523,
3.5139

260.2814,

■ 0.6619, 0.6376,

271.1657, 324.4915

1.3626

311.4210,
324.6293, 386.3704

■ 0.0000, 0.0000,
0.1123

■ 0.0000, 0.0000,
0.0000

■ 47.8668, 49.4969,
63.5309

■ 47.8668, 49.4969,
63.5309

■ 39.9647, 40.3507,
62.1828

■ 56.9070, 59.8839,
65.0601

■ 33.1512, 32.3928,
61.0058

■ 67.1237, 71.5494,
66.7733

■ 27.3794, 25.5757,
59.9942

■ 78.5587, 84.5372,
68.6775

■ 22.5974, 19.8467,
59.1404

■ 87.7796, 97.0919,
70.6148

■ 18.7487, 15.1487,
58.4365

■ 15.7710, 11.4194,
57.8736

■ 13.5942, 8.5894,
57.4421

■ 12.1369, 6.5798,
57.1310

■ 11.2665, 5.2800,
56.9260

Harmonies

Analogous

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



46.1670, 49.4969, 63.4735



47.8668, 49.4969, 63.5309



49.3814, 49.4969, 60.9004

Triad

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



47.8668, 49.4969, 63.5309



49.4321, 49.4969, 47.5755



43.9514, 49.4969, 51.4019

Complementary

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



47.8668, 49.4969, 63.5309



53.8302, 57.4234, 53.0472

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.



44.7841, 49.4969, 47.4462



47.8668, 49.4969, 63.5309



47.9347, 49.4969, 45.3298

Square

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



47.8668, 49.4969, 63.5309



50.2999, 49.4969, 51.5883



46.2333, 49.4969, 45.2840



43.9343, 49.4969, 56.2668

Rectangle

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



47.8668, 49.4969, 63.5309



50.0707, 49.4969, 58.0632



46.2333, 49.4969, 45.2840



44.1443, 49.4969, 49.9287

Sweetspot

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



47.8683, 49.4990, 63.5320



90.2522, 94.4997, 108.0912



51.2716, 56.9345, 62.7275



19.0498, 19.9193, 23.0907



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.



47.8683, 49.4990, 63.5320



76.9324, 79.1669, 105.8337



48.8658, 49.0839, 63.3993



10.7355, 11.1114, 14.1493



7.2052, 3.4344, 36.2394



0.4162, 0.2662, 1.8844

Inverse Universe

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



50.4261, 50.1096, 53.4712



82.1454, 80.4434, 85.3223



52.7557, 57.9121, 53.1982



11.2798, 11.2407, 12.0082



15.8478, 8.1497, 1.6511



0.8400, 0.4294, 0.2035

Previews

White Background



This preview shows how the XYZ color 47.8668, 49.4969, 63.5309 looks on a white background.

Color Contrast Check

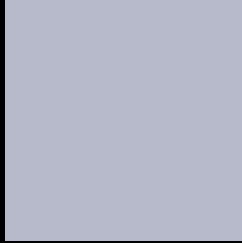
Large Text (above 18pt) WCAG AA × Fail

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 47.8668, 49.4969, 63.5309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

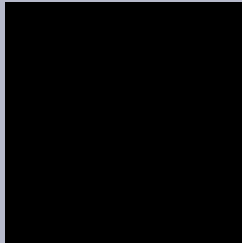
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

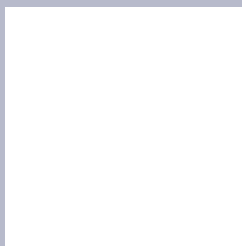
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8668, 49.4969, 63.5309

Background



This preview shows how black text looks on a background with the XYZ color 47.8668, 49.4969, 63.5309.

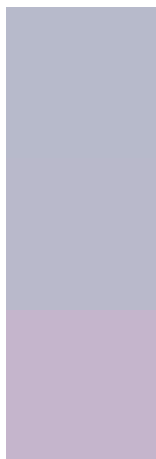


This preview shows how white text looks on a background with the XYZ color 47.8668, 49.4969,

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

47.8668, 49.4969, 63.5309

Protanopia

48.1360, 49.3240, 63.4834

Deuteranopia

50.4489, 49.2777, 63.9793



Tritanopia

47.6300, 49.4021, 62.2835

Trichromacy



Original Color

47.8668, 49.4969, 63.5309

Protanomaly

47.8956, 49.2001, 63.4721

Deuteranomaly

49.5708, 49.4331, 64.0556

Tritanomaly

47.7480, 49.4494, 62.9052

Monochromacy



Original Color

47.8668, 49.4969, 63.5309

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.6457, 49.8300, 57.5590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8668, 49.4969, 63.5309 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(183, 186, 203)` looks like.

```
.text, #text, p{  
    color:rgb(183, 186, 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(183, 186, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 186, 203) }
```

Border

The CSS property to change the border of an element to XYZ 47.8668, 49.4969, 63.5309 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(183, 186, 203) }
```


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

```
.border{ border-color:rgb(183, 186, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 186, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(183, 186,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8668, 49.4969, 63.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 186, 203) }
```

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

```
.background{ background-color: rgb(183,  
186, 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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