

Converting Colors

XYZ(47.5203, 48.9928, 63.3882)

Have a look what the booklet for
XYZ(47.5203, 48.9928, 63.3882)
contains.

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Color

**XYZ(47.6569, 49.0770,
63.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B9CB
RGB	183, 185, 203
RGB Percent	72%, 73%, 80%
CMY	0.2823, 0.2745, 0.2039
CMYK	0.10, 0.09, 0.00, 0.20
HSL	234°, 16%, 76%
HSV	234°, 10%, 80%
XYZ	47.6569, 49.0770, 63.4609
YIQ	186.4540, -6.9700, 5.1740

Conversions

Conversions Part 2

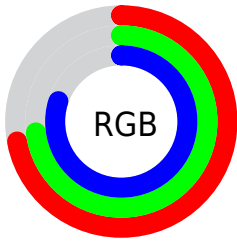
Format	Color
R_{YB}	183, 185, 203
Decimal	12040651
CIE Lab	75.50, 2.83, -9.31
CIE LCh	75, 9.725, 286.906
Yxy	49.0770, 0.2975, 0.3064
Android (android.graphics.Color)	4290230731 (0xFFB7B9CB)
YUV	186.4540, 8.1572, -3.0292
Hunter-Lab	70.0550, -1.1665, -4.6707

Details

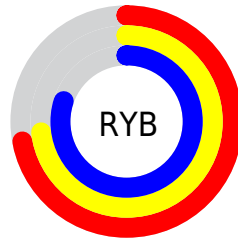
The XYZ color **47.6569, 49.0770, 63.4609** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.0627, 57.8883, 53.1249**, and the grayscale version is **46.8864, 49.3281, 53.7183**.

A 20% lighter version of the original color is **85.1019, 88.4813, 107.2010**, and **22.8820, 23.4183, 31.7479** is the 20% darker color. If you saturate the color by 10%, you get **39.5934, 39.6080, 62.0590**, and if you desaturate by 10%, it is **56.9107, 59.8912, 65.0613**.

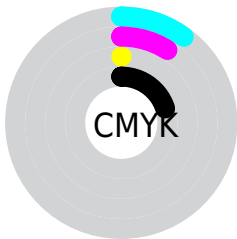
Distribution



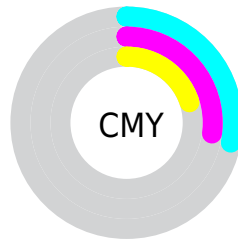
- Red (72%)
- Green (73%)
- Blue (80%)



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



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6569, 49.0770, 63.4609 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 47.6569, 49.0770, 63.4609 by changing the saturation by 10% instead.

■ 47.6569, 49.0770,
63.4609

■ 47.6569, 49.0770,
63.4609

368.0358,
383.0454, 455.3942

■ 33.7654, 34.6806,
45.7708

■ 85.9061, 88.8058,
111.4262

■ 22.8755, 23.4169,
31.7176

110.9946,
114.9070, 142.5384

■ 14.6218, 14.9017,
20.8829

140.5460,
145.6785, 178.9617

■ 8.6389, 8.7504,
12.8480

174.9258,
181.5048, 221.1148

■ 4.5616, 4.5787,
7.1945

214.4993,
222.7702, 269.4160

■ 2.0245, 2.0023,
3.5037

259.6319,

■ 0.6477, 0.6088,

269.8592, 324.2839

1.3572

310.6890,
323.1561, 386.1371

■ 0.0000, 0.0000,
0.1080

■ 0.0000, 0.0000,
0.0000

■ 47.6569, 49.0770,
63.4609

■ 47.6569, 49.0770,
63.4609

■ 39.5934, 39.6080,
62.0590

■ 56.9107, 59.8912,
65.0613

■ 32.6676, 31.4255,
60.8446

■ 67.3960, 72.0938,
66.8640

■ 26.8295, 24.4758,
59.8109

■ 79.1572, 85.7340,
68.8769

■ 22.0235, 18.6989,
58.9491

■ 87.7796, 97.0919,
70.6148

■ 18.1892, 14.0297,
58.2500

■ 15.2597, 10.3968,
57.7032

■ 13.1598, 7.7205,
57.2973

■ 11.8016, 5.9091,
57.0192

■ 11.0442, 4.8354,
56.8519

Harmonies

Analogous

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



45.8688, 49.0770, 63.6519



47.6569, 49.0770, 63.4609



49.2117, 49.0770, 60.4768

Triad

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



47.6569, 49.0770, 63.4609



49.0437, 49.0770, 46.5398



43.3652, 49.0770, 51.2286

Complementary

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



47.6569, 49.0770, 63.4609



54.0627, 57.8883, 53.1249

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.



44.1715, 49.0770, 46.9650



47.6569, 49.0770, 63.4609



47.4324, 49.0770, 44.3771

Square

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



47.6569, 49.0770, 63.4609



50.0264, 49.0770, 50.6139



45.6499, 49.0770, 44.5276



43.4218, 49.0770, 56.3622

Rectangle

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



47.6569, 49.0770, 63.4609



49.8930, 49.0770, 57.4075



45.6499, 49.0770, 44.5276



43.5434, 49.0770, 49.6530

Sweetspot

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



47.6584, 49.0791, 63.4620



90.1344, 94.2640, 108.0519



51.3887, 56.9814, 63.3438



19.0181, 19.8560, 23.0802



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.



47.6584, 49.0791, 63.4620



76.5107, 78.3236, 105.6932



49.1160, 49.2130, 63.4110



10.6906, 11.0217, 14.1343



7.0543, 3.1325, 36.1891



0.3955, 0.2247, 1.8775

Inverse Universe

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



50.3202, 50.0673, 52.9131



81.9325, 80.3583, 84.2016



52.4959, 57.7781, 53.1862



11.2572, 11.2316, 11.8891



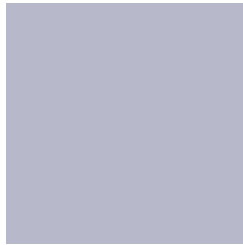
15.7716, 8.1192, 1.2498



0.8296, 0.4252, 0.1483

Previews

White Background



This preview shows how the XYZ color 47.6569, 49.0770, 63.4609 looks on a white background.

Color Contrast Check

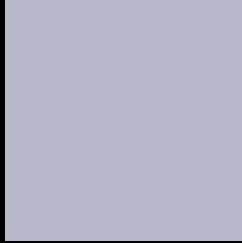
Large Text (above 18pt) WCAG AA × Fail

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 47.6569, 49.0770, 63.4609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

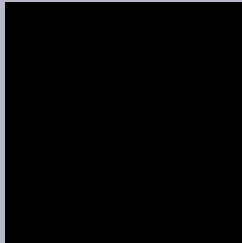
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6569, 49.0770, 63.4609

Background



This preview shows how black text looks on a background with the XYZ color 47.6569, 49.0770, 63.4609.



This preview shows how white text looks on a background with the XYZ color 47.6569, 49.0770,

63.4609.

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

47.6569, 49.0770, 63.4609

Protanopia

47.8956, 49.2001, 63.4721

Deuteranopia

50.1879, 49.1431, 63.9671



Tritanopia

47.3027, 48.9353, 61.5959

Trichromacy



Original Color

47.6569, 49.0770, 63.4609

Protanomaly

47.8956, 49.2001, 63.4721

Deuteranomaly

49.1129, 48.8919, 63.9753

Tritanomaly

47.4200, 48.9822, 62.2136

Monochromacy



Original Color

47.6569, 49.0770, 63.4609

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.0809, 49.2379, 56.8916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6569, 49.0770, 63.4609 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, 185, 203)` looks like.

```
.text, #text, p{  
    color:rgb(183, 185, 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, 185, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 185, 203) }
```

Border

The CSS property to change the border of an element to XYZ 47.6569, 49.0770, 63.4609 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, 185, 203) }
```


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

```
.border{ border-color:rgb(183, 185, 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, 185, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 185, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 185, 203);  
box-shadow:4px 4px 4px 4px rgb(183, 185,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6569, 49.0770, 63.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 185, 203) }
```

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

```
.background{ background-color: rgb(183,  
185, 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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