

Converting Colors

XYZ(46.9239, 49.0382, 62.2505)

Have a look what the booklet for
XYZ(46.9239, 49.0382, 62.2505)
contains.

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Color

**XYZ(46.9239, 49.0382,
62.2505)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BAC9
RGB	180, 186, 201
RGB Percent	71%, 73%, 79%
CMY	0.2941, 0.2706, 0.2118
CMYK	0.10, 0.07, 0.00, 0.21
HSL	223°, 16%, 75%
HSV	223°, 10%, 79%
XYZ	46.9239, 49.0382, 62.2505
YIQ	185.9160, -8.3910, 3.3930

Conversions

Conversions Part 2

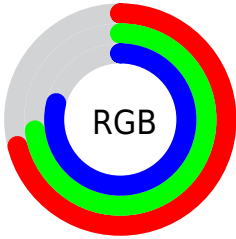
Format	Color
R _Y B	180, 185, 201
Decimal	11844297
CIE Lab	75.48, 0.89, -8.28
CIE LCh	75, 8.325, 276.103
Yxy	49.0382, 0.2966, 0.3100
Android (android.graphics.Color)	4290034377 (0xFFB4BAC9)
YUV	185.9160, 7.4364, -5.1883
Hunter-Lab	70.0273, -2.9384, -3.6865

Details

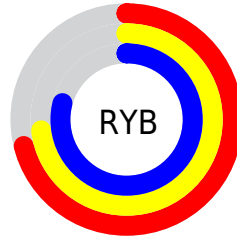
The XYZ color **46.9239, 49.0382, 62.2505** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.8408, 54.7425, 51.0149**, and the grayscale version is **46.5894, 49.0156, 53.3780**.

A 20% lighter version of the original color is **84.3942, 88.5571, 107.2529**, and **22.4064, 23.3937, 30.9382** is the 20% darker color. If you saturate the color by 10%, you get **39.7063, 41.0525, 61.0903**, and if you desaturate by 10%, it is **55.1268, 57.9854, 63.5459**.

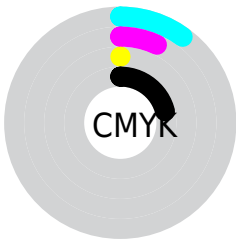
Distribution



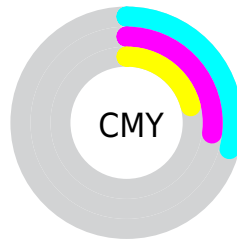
- Red (71%)
- Green (73%)
- Blue (79%)



- Red (71%)
- Yellow (73%)
- Blue (79%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



- Cyan (29%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9239, 49.0382, 62.2505 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 46.9239, 49.0382, 62.2505 by changing the saturation by 10% instead.

■ 46.9239, 49.0382,
62.2505

■ 46.9239, 49.0382,
62.2505

365.1647,
382.8927, 450.8771

■ 33.1832, 34.6498,
44.7980

■ 84.8195, 88.7482,
109.6626

■ 22.4267, 23.3932,
30.9566

109.7050,
114.8385, 140.4593

■ 14.2891, 14.8841,
20.3076

139.0362,
145.5983, 176.5412

■ 8.4051, 8.7381,
12.4326

173.1785,
181.4120, 218.3268

■ 4.4092, 4.5708,
6.9129

212.4971,
222.6638, 266.2347

■ 1.9361, 1.9977,
3.3301

257.3574,

■ 0.5977, 0.6061,

269.7383, 320.6833

1.2655

308.1248,
323.0198, 382.0913

■ 0.0000, 0.0000,
0.0333

■ 0.0000, 0.0000,
0.0000

■ 46.9239, 49.0382,
62.2505

■ 46.9239, 49.0382,
62.2505

■ 39.7063, 41.0525,
61.0903

■ 55.1268, 57.9854,
63.5459

■ 33.4316, 33.9894,
60.0577

■ 64.3465, 67.9192,
64.9774

■ 28.0607, 27.8161,
59.1492

■ 74.6185, 78.8713,
66.5500

■ 23.5502, 22.4956,
58.3600

■ 83.9598, 89.8312,
68.1731

■ 19.8526, 17.9881,
57.6848

■ 87.5428, 96.9971,
69.3674

■ 16.9157, 14.2502,
57.1181

■ 14.6808, 11.2341,
56.6537

■ 13.0793, 8.8856,
56.2848

■ 12.0286, 7.1888,
56.0127

Harmonies

Analogous

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



45.4236, 49.0382, 61.5037



46.9239, 49.0382, 62.2505



48.3707, 49.0382, 60.5212

Triad

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



46.9239, 49.0382, 62.2505



49.0356, 49.0382, 48.5655



43.9619, 49.0382, 50.0418

Complementary

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



46.9239, 49.0382, 62.2505



51.8408, 54.7425, 51.0149

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.



44.8913, 49.0382, 46.8500



46.9239, 49.0382, 62.2505



47.8156, 49.0382, 46.0310

Square

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



46.9239, 49.0382, 62.2505



49.6070, 49.0382, 52.5004



46.2962, 49.0382, 45.4205



43.7350, 49.0382, 54.2982

Rectangle

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



46.9239, 49.0382, 62.2505



49.1031, 49.0382, 58.2500



46.2962, 49.0382, 45.4205



44.2015, 49.0382, 48.8162

Sweetspot

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



46.9253, 49.0403, 62.2516



90.5732, 95.1415, 108.1982



49.5263, 55.4040, 59.5366



19.1361, 20.0919, 23.1195



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.



46.9253, 49.0403, 62.2516



76.7955, 80.0605, 106.0134



46.6798, 47.0755, 61.8853



10.2995, 10.7731, 13.4541



7.6314, 4.6568, 35.2410



0.4246, 0.3471, 1.6898

Inverse Universe

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



49.2727, 48.6062, 53.2418



81.7914, 79.2109, 86.8214



52.0993, 56.9127, 51.4202



10.7565, 10.6860, 11.7008



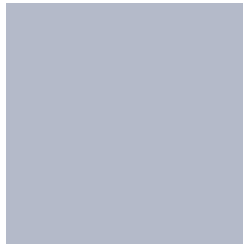
15.6513, 8.0101, 3.3738



0.7730, 0.3921, 0.3280

Previews

White Background



This preview shows how the XYZ color 46.9239, 49.0382, 62.2505 looks on a white background.

Color Contrast Check

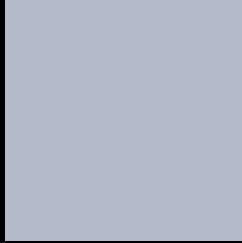
Large Text (above 18pt) WCAG AA × Fail

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 46.9239, 49.0382, 62.2505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

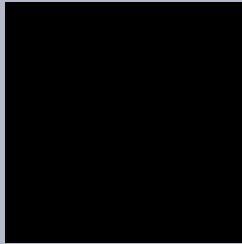
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

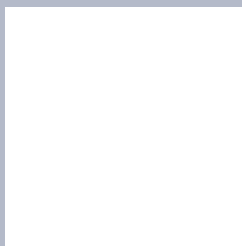
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9239, 49.0382, 62.2505

Background



This preview shows how black text looks on a background with the XYZ color 46.9239, 49.0382, 62.2505.

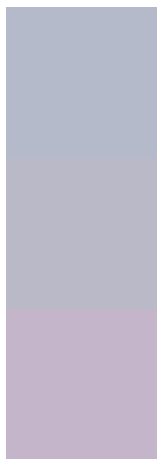


This preview shows how white text looks on a background with the XYZ color 46.9239, 49.0382,

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

46.9239, 49.0382, 62.2505

Protanopia

47.7819, 49.1823, 61.6183

Deuteranopia

49.9495, 49.0478, 62.7117



Tritanopia

46.9239, 49.0382, 62.2505

Trichromacy



Original Color

46.9239, 49.0382, 62.2505

Protanomaly

47.3027, 48.9353, 61.5959

Deuteranomaly

48.8294, 49.0784, 62.7766

Tritanomaly

46.9239, 49.0382, 62.2505

Monochromacy



Original Color

46.9239, 49.0382, 62.2505

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.7300, 49.0697, 56.2987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9239, 49.0382, 62.2505 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(180, 186, 201) looks like.

```
.text, #text, p{  
    color:rgb(180, 186, 201)  
}
```

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(180, 186, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 186, 201) }
```

Border

The CSS property to change the border of an element to XYZ 46.9239, 49.0382, 62.2505 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(180, 186, 201) }
```


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

```
.border{ border-color:rgb(180, 186, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 186, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 186, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 186, 201);  
box-shadow:4px 4px 4px 4px rgb(180, 186,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9239, 49.0382, 62.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 186, 201) }
```

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

```
.background{ background-color: rgb(180,  
186, 201) }
```

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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