

Converting Colors

XYZ(48.2789, 49.9012, 64.2143)

Have a look what the booklet for
XYZ(48.2789, 49.9012, 64.2143)
contains.

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Color

**XYZ(48.4366, 50.0906,
64.2423)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BBCC
RGB	184, 187, 204
RGB Percent	72%, 73%, 80%
CMY	0.2784, 0.2667, 0.2000
CMYK	0.10, 0.08, 0.00, 0.20
HSL	231°, 16%, 76%
HSV	231°, 10%, 80%
XYZ	48.4366, 50.0906, 64.2423
YIQ	188.0410, -7.2450, 4.6510

Conversions

Conversions Part 2

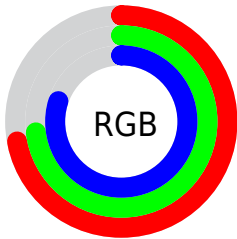
Format	Color
R _Y B	184, 187, 204
Decimal	12106700
CIE Lab	76.12, 2.29, -8.91
CIE LCh	76, 9.198, 284.391
Yxy	50.0906, 0.2976, 0.3077
Android (android.graphics.Color)	4290296780 (0xFFB8BBCC)
YUV	188.0410, 7.8678, -3.5440
Hunter-Lab	70.7747, -1.6944, -4.2753

Details

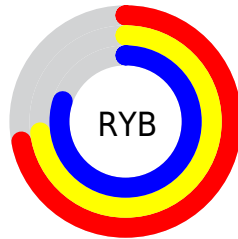
The XYZ color **48.4366, 50.0906, 64.2423** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.4405, 58.0711, 53.6880**, and the grayscale version is **47.7841, 50.2726, 54.7469**.

A 20% lighter version of the original color is **86.0358, 89.8464, 107.4153**, and **23.3902, 24.0775, 32.2688** is the 20% darker color. If you saturate the color by 10%, you get **40.4393, 40.8345, 62.8780**, and if you desaturate by 10%, it is **57.5857, 60.6024, 65.7899**.

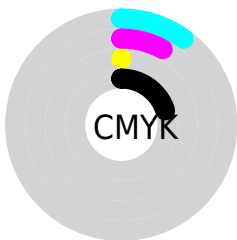
Distribution



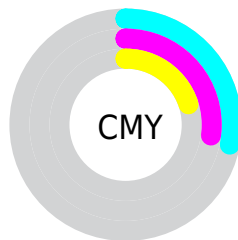
- Red (72%)
- Green (73%)
- Blue (80%)



- 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 48.4366, 50.0906, 64.2423 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 48.4366, 50.0906, 64.2423 by changing the saturation by 10% instead.

■ 48.4366, 50.0906,
64.2423

■ 48.4366, 50.0906,
64.2423

371.0740,
387.0201, 458.2956

■ 34.3855, 35.4854,
46.3995

■ 87.0599, 90.3091,
112.5626

■ 23.3542, 24.0370,
32.2103

112.3627,
116.6912, 143.8773

■ 14.9774, 15.3611,
21.2560

142.1468,
147.7677, 180.5196

■ 8.8897, 9.0732,
13.1182

176.7776,
183.9230, 222.9082

■ 4.7259, 4.7890,
7.3783

216.6203,
225.5415, 271.4615

■ 2.1204, 2.1240,
3.6178

262.0404,

■ 0.7003, 0.6781,

273.0076, 326.5981

1.4181

313.4031,
326.7057, 388.7367

■ 0.0000, 0.0000,
0.1558

■ 0.0000, 0.0000,
0.0000

■ 48.4366, 50.0906,
64.2423

■ 48.4366, 50.0906,
64.2423

■ 40.4393, 40.8345,
62.8780

■ 57.5857, 60.6024,
65.7899

■ 33.5435, 32.7807,
61.6869

■ 67.9252, 72.4080,
67.5236

■ 27.7020, 25.8815,
60.6631

■ 79.4976, 85.5518,
69.4507

■ 22.8620, 20.0833,
59.7990

■ 87.8992, 97.1397,
71.2446

■ 18.9665, 15.3286,
59.0866

■ 15.9525, 11.5541,
58.5169

■ 13.7490, 8.6898,
58.0801

■ 12.2736, 6.6557,
57.7653

■ 11.3933, 5.3404,
57.5578

Harmonies

Analogous

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



46.7249, 50.0906, 64.1841



48.4366, 50.0906, 64.2423



49.9617, 50.0906, 61.5949

Triad

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



48.4366, 50.0906, 64.2423



50.0131, 50.0906, 48.1768



44.4938, 50.0906, 52.0302

Complementary

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



48.4366, 50.0906, 64.2423



54.4405, 58.0711, 53.6880

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.



45.3325, 50.0906, 48.0457



48.4366, 50.0906, 64.2423



48.5054, 50.0906, 45.9141

Square

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



48.4366, 50.0906, 64.2423



50.8867, 50.0906, 52.2190



46.7921, 50.0906, 45.8676



44.4764, 50.0906, 56.9290

Rectangle

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



48.4366, 50.0906, 64.2423



50.6558, 50.0906, 58.7389



46.7921, 50.0906, 45.8676



44.6881, 50.0906, 50.5464

Sweetspot

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



48.4381, 50.0927, 64.2434



90.2522, 94.4995, 108.0912



51.8644, 57.5783, 63.4340



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.



48.4381, 50.0927, 64.2434



76.9321, 79.1663, 105.8336



49.4427, 49.6749, 64.1098



10.7354, 11.1113, 14.1492



7.2051, 3.4342, 36.2394



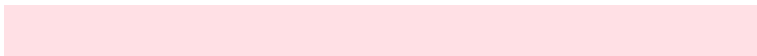
0.4162, 0.2662, 1.8844

Inverse Universe

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



51.0132, 50.7074, 54.1149



82.1452, 80.4434, 85.3216



53.3588, 58.5627, 53.8399



11.2798, 11.2407, 12.0082



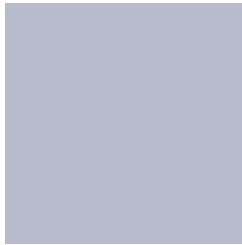
15.8477, 8.1497, 1.6508



0.8400, 0.4294, 0.2035

Previews

White Background



This preview shows how the XYZ color 48.4366, 50.0906, 64.2423 looks on a white background.

Color Contrast Check

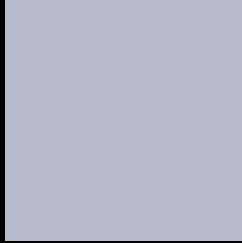
Large Text (above 18pt) WCAG AA × Fail

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 48.4366, 50.0906, 64.2423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

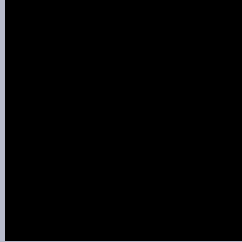
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4366, 50.0906, 64.2423

Background



This preview shows how black text looks on a background with the XYZ color 48.4366, 50.0906, 64.2423.

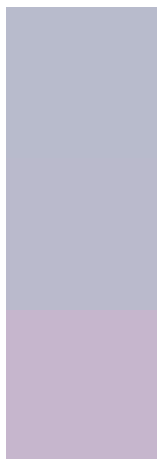


This preview shows how white text looks on a background with the XYZ color 48.4366, 50.0906,

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

48.4366, 50.0906, 64.2423

Protanopia

48.7077, 49.9165, 64.1944

Deuteranopia

51.0361, 49.8694, 64.6935



Tritanopia

48.1982, 49.9953, 62.9869

Trichromacy



Original Color

48.4366, 50.0906, 64.2423

Protanomaly

48.4656, 49.7917, 64.1831

Deuteranomaly

50.1523, 50.0262, 64.7703

Tritanomaly

48.3170, 50.0428, 63.6126

Monochromacy



Original Color

48.4366, 50.0906, 64.2423

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.2143, 50.4263, 58.2310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4366, 50.0906, 64.2423 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, 187, 204)` looks like.

```
.text, #text, p{  
    color:rgb(184, 187, 204)  
}
```

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, 187, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 187, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.4366, 50.0906, 64.2423 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, 187, 204) }
```


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

```
.border{ border-color:rgb(184, 187, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 187, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 187, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 187, 204);  
box-shadow:4px 4px 4px 4px rgb(184, 187,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4366, 50.0906, 64.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 187, 204) }
```

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

```
.background{ background-color: rgb(184,  
187, 204) }
```

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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