

Converting Colors

XYZ(48.5245, 49.6253, 62.6953)

Have a look what the booklet for
XYZ(48.5245, 49.6253, 62.6953)
contains.

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Color

**XYZ(48.5031, 49.5270,
62.8804)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB9CA
RGB	187, 185, 202
RGB Percent	73%, 73%, 79%
CMY	0.2667, 0.2745, 0.2078
CMYK	0.07, 0.08, 0.00, 0.21
HSL	247°, 14%, 76%
HSV	247°, 8%, 79%
XYZ	48.5031, 49.5270, 62.8804
YIQ	187.5360, -4.2650, 5.7110

Conversions

Conversions Part 2

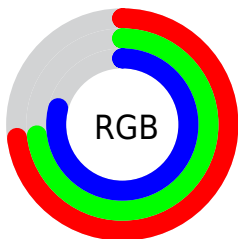
Format	Color
R _Y B	187, 185, 202
Decimal	12302794
CIE Lab	75.78, 3.96, -8.31
CIE LCh	76, 9.210, 295.490
Yxy	49.5270, 0.3014, 0.3078
Android (android.graphics.Color)	4290492874 (0xFFBBB9CA)
YUV	187.5360, 7.1308, -0.4701
Hunter-Lab	70.3754, -0.1339, -3.7128

Details

The XYZ color **48.5031, 49.5270, 62.8804** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.6989, 58.0246, 54.2711**, and the grayscale version is **47.5008, 49.9745, 54.4222**.

A 20% lighter version of the original color is **86.4674, 89.1853, 107.2649**, and **23.4281, 23.7090, 31.3585** is the 20% darker color. If you saturate the color by 10%, you get **40.4803, 39.5584, 61.3799**, and if you desaturate by 10%, it is **57.6706, 60.9797, 64.6086**.

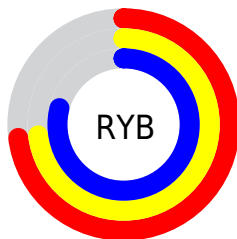
Distribution



Red (73%)

Green (73%)

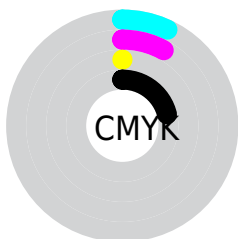
Blue (79%)



Red (73%)

Yellow (73%)

Blue (79%)

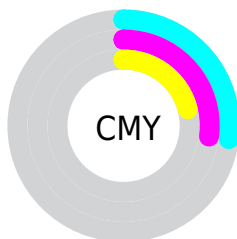


Cyan (7%)

Magenta (8%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (27%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5031, 49.5270, 62.8804 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 48.5031, 49.5270, 62.8804 by changing the saturation by 10% instead.

■ 48.5031, 49.5270,
62.8804

■ 48.5031, 49.5270,
62.8804

371.3323,
384.8133, 453.2313

■ 34.4384, 35.0377,
45.3041

■ 87.1582, 89.4737,
110.5809

■ 23.3951, 23.6919,
31.3523

112.4792,
115.6998, 141.5421

■ 15.0078, 15.1052,
20.6066

142.2831,
146.6071, 177.8020

■ 8.9112, 8.8933,
12.6483

176.9352,
182.5798, 219.7792

■ 4.7400, 4.6716,
7.0589

216.8008,
224.0024, 267.8922

■ 2.1287, 2.0559,
3.4200

262.2453,

■ 0.7047, 0.6397,

271.2592, 322.5595

1.3129

313.6340,
324.7348, 384.1997

■ 0.0000, 0.0000,
0.0723

■ 0.0000, 0.0000,
0.0000

■ 48.5031, 49.5270,
62.8804

■ 48.5031, 49.5270,
62.8804

■ 40.4803, 39.5584,
61.3799

■ 57.6706, 60.9797,
64.6086

■ 33.5529, 31.0070,
60.0944

■ 68.0209, 73.9671,
66.5699

■ 27.6745, 23.8101,
59.0151

■ 79.5957, 88.5455,
68.7737

■ 22.7935, 17.8981,
58.1312

■ 87.6608, 97.0443,
69.9891

■ 18.8540, 13.1948,
57.4310

■ 15.7948, 9.6162,
56.9015

■ 13.5468, 7.0673,
56.5280

■ 12.0306, 5.4373,
56.2933

■ 11.1360, 4.5609,
56.1713

Harmonies

Analogous

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



46.8159, 49.5270, 63.8687



48.5031, 49.5270, 62.8804



49.8355, 49.5270, 59.4390

Triad

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



48.5031, 49.5270, 62.8804



48.9613, 49.5270, 46.5335



43.8717, 49.5270, 53.1895

Complementary

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



48.5031, 49.5270, 62.8804



53.6989, 58.0246, 54.2711

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.



44.4163, 49.5270, 48.7658



48.5031, 49.5270, 62.8804



47.3329, 49.5270, 45.0736

Square

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



48.5031, 49.5270, 62.8804



50.1045, 49.5270, 49.9748



45.6731, 49.5270, 45.8657



44.1681, 49.5270, 58.0811

Rectangle

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



48.5031, 49.5270, 62.8804



50.3292, 49.5270, 56.3202



45.6731, 49.5270, 45.8657



43.9622, 49.5270, 51.6016

Sweetspot

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



48.5046, 49.5291, 62.8815



90.2176, 93.9578, 107.9884



51.3280, 55.8962, 63.9617



19.0405, 19.7738, 23.0631



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.



48.5046, 49.5291, 62.8815



79.6477, 80.7746, 106.0009



50.6421, 50.6311, 62.9815



10.7221, 10.9061, 14.1103



7.1379, 2.8873, 36.1374



0.4101, 0.1706, 1.8662

Inverse Universe

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



52.1332, 51.4269, 61.8250



86.9692, 84.6043, 103.8455



51.4951, 56.8885, 54.1679



11.6286, 11.3802, 13.8447



20.8834, 10.1640, 28.1686



1.0938, 0.5309, 1.5398

Previews

White Background



This preview shows how the XYZ color 48.5031, 49.5270, 62.8804 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 48.5031, 49.5270, 62.8804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

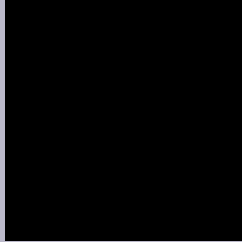
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5031, 49.5270, 62.8804

Background



This preview shows how black text looks on a background with the XYZ color 48.5031, 49.5270, 62.8804.

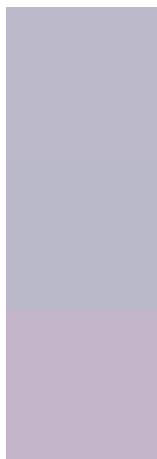


This preview shows how white text looks on a background with the XYZ color 48.5031, 49.5270,

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

48.5031, 49.5270, 62.8804

Protanopia

48.0172, 49.2765, 62.8576

Deuteranopia

50.3293, 49.2299, 63.3496



Tritanopia

48.2678, 49.4328, 61.6411

Trichromacy



Original Color

48.5031, 49.5270, 62.8804

Protanomaly

48.2593, 49.4013, 62.8690

Deuteranomaly

49.4998, 49.1052, 63.3692

Tritanomaly

48.3851, 49.4798, 62.2587

Monochromacy



Original Color

48.5031, 49.5270, 62.8804

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.1350, 50.0823, 57.5819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5031, 49.5270, 62.8804 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(187, 185, 202)` looks like.

```
.text, #text, p{  
    color:rgb(187, 185, 202)  
}
```

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(187, 185, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 185, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.5031, 49.5270, 62.8804 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(187, 185, 202) }
```


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

```
.border{ border-color:rgb(187, 185, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 185, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 185, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 185, 202);  
box-shadow:4px 4px 4px 4px rgb(187, 185,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5031, 49.5270, 62.8804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 185, 202) }
```

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

```
.background{ background-color: rgb(187,  
185, 202) }
```

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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