

Converting Colors

XYZ(48.1781, 45.5051, 62.1212)

Have a look what the booklet for
XYZ(48.1781, 45.5051, 62.1212)
contains.

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Color

**XYZ(48.1781, 45.5051,
62.1212)**

Conversions

Conversions Part 1

Format	Color
Hex	C4ACCA
RGB	196, 172, 202
RGB Percent	77%, 67%, 79%
CMY	0.2314, 0.3255, 0.2078
CMYK	0.03, 0.15, 0.00, 0.21
HSL	288°, 22%, 73%
HSV	288°, 15%, 79%
XYZ	48.1781, 45.5051, 62.1212
YIQ	182.5960, 4.6740, 14.4180

Conversions

Conversions Part 2

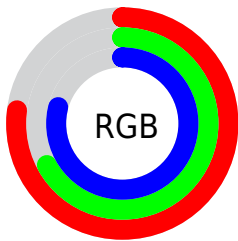
Format	Color
R_{YB}	196, 172, 202
Decimal	12889290
CIE _{Lab}	73.22, 14.08, -12.05
CIE _{LCh}	73, 18.530, 319.456
Yxy	45.5051, 0.3092, 0.2921
Android (android.graphics.Color)	4291079370 (0xFFC4ACCA)
YUV	182.5960, 9.5662, 11.7553
Hunter-Lab	67.4575, 9.4341, -7.3796

Details

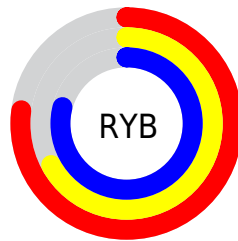
The XYZ color **48.1781, 45.5051, 62.1212** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.9288, 54.6858, 47.1141**, and the grayscale version is **44.7373, 47.0671, 51.2561**.

A 20% lighter version of the original color is **86.0271, 83.0408, 106.1021**, and **23.2171, 21.3218, 30.9088** is the 20% darker color. If you saturate the color by 10%, you get **43.5856, 37.8587, 60.8880**, and if you desaturate by 10%, it is **53.3860, 54.3387, 63.5525**.

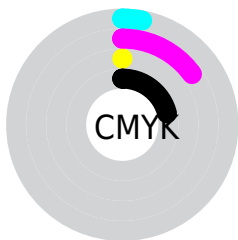
Distribution



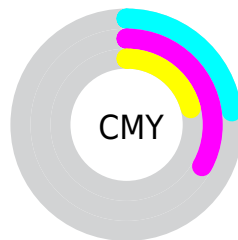
- Red (77%)
- Green (67%)
- Blue (79%)



- Red (77%)
- Yellow (67%)
- Blue (79%)



- Cyan (3%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)



- Cyan (23%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1781, 45.5051, 62.1212 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 48.1781, 45.5051, 62.1212 by changing the saturation by 10% instead.

■ 48.1781, 45.5051,
62.1212

■ 48.1781, 45.5051,
62.1212

370.0685,
368.8154, 450.3929

■ 34.1798, 31.8555,
44.6942

■ 86.6776, 83.4779,
109.4740

■ 23.1953, 21.2511,
30.8754

111.9095,
108.5698, 140.2368

■ 14.8593, 13.3077,
20.2464

141.6167,
138.2445, 176.2821

■ 8.8063, 7.6408,
12.3884

176.1644,
172.8866, 218.0283

■ 4.6712, 3.8660,
6.8830

215.9181,
212.8803, 265.8939

■ 2.0884, 1.5989,
3.3117

261.2431,

■ 0.6829, 0.3568,

258.6101, 320.2975

1.2559

312.5048,
310.4603, 381.6577

■ 0.0000, 0.0000,
0.0253

■ 0.0000, 0.0000,
0.0000

■ 48.1781, 45.5051,
62.1212

■ 48.1781, 45.5051,
62.1212

■ 43.5856, 37.8587,
60.8880

■ 53.3860, 54.3387,
63.5525

■ 39.5779, 31.3410,
59.8412

■ 59.2300, 64.4029,
65.1870

■ 36.1279, 25.8972,
58.9723

■ 65.7349, 75.7464,
67.0337

■ 33.2044, 21.4655,
58.2710

■ 72.9229, 88.4131,
69.0998

■ 30.7734, 17.9780,
57.7259

■ 74.7998, 90.4142,
69.3871

■ 28.7964, 15.3582,
57.3245

■ 76.0098, 91.0380,
69.4437

■ 27.2290, 13.5177,
57.0518

■ 77.2494, 91.6771,
69.5017

■ 26.0171, 12.3485,
56.8900

■ 78.5188, 92.3314,
69.5612

■ 25.4793, 11.9035,
56.8325

■ 79.8182, 93.0013,
69.6220

Harmonies

Analogous

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



45.3672, 45.5051, 68.4198



48.1781, 45.5051, 62.1212



49.6932, 45.5051, 52.8966

Triad

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



48.1781, 45.5051, 62.1212



44.4054, 45.5051, 33.9471



37.6201, 45.5051, 55.7535

Complementary

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



48.1781, 45.5051, 62.1212



46.9288, 54.6858, 47.1141

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.



37.3915, 45.5051, 46.3425



48.1781, 45.5051, 62.1212



41.2021, 45.5051, 34.5098

Square

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



48.1781, 45.5051, 62.1212



47.4438, 45.5051, 37.1488



38.6723, 45.5051, 38.7961



39.3133, 45.5051, 64.4367

Rectangle

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



48.1781, 45.5051, 62.1212



49.7159, 45.5051, 46.6637



38.6723, 45.5051, 38.7961



37.3728, 45.5051, 52.5474

Sweetspot

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



48.1795, 45.5071, 62.1222



91.1353, 93.2790, 107.8090



43.6959, 45.0772, 62.2755



19.3534, 19.7033, 23.0330



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.



48.1795, 45.5071, 62.1222



78.8176, 72.4301, 104.4340



48.7926, 45.9362, 57.0412



11.4592, 11.2860, 14.1448



16.4693, 7.6978, 36.5741



0.9070, 0.4267, 1.8895

Inverse Universe

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



47.1472, 45.2781, 48.3765



76.7567, 71.9867, 76.3719



46.4247, 54.3286, 51.4891



11.3025, 11.2498, 12.1278



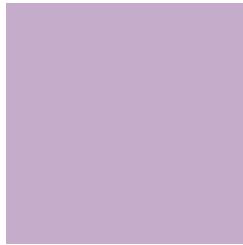
15.9502, 8.1907, 2.1904



0.8505, 0.4336, 0.2586

Previews

White Background



This preview shows how the XYZ color 48.1781, 45.5051, 62.1212 looks on a white background.

Color Contrast Check

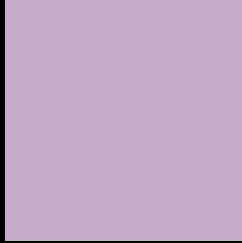
Large Text (above 18pt) WCAG AA × Fail

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 48.1781, 45.5051, 62.1212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

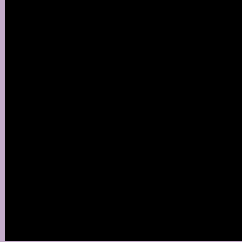
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1781, 45.5051, 62.1212

Background



This preview shows how black text looks on a background with the XYZ color 48.1781, 45.5051, 62.1212.



This preview shows how white text looks on a background with the XYZ color 48.1781, 45.5051,

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

48.1781, 45.5051, 62.1212

Protanopia

44.7402, 45.4110, 64.7997

Deuteranopia

46.3661, 45.4418, 61.5857



Tritanopia

46.4613, 45.3723, 53.8859

Trichromacy



Original Color

48.1781, 45.5051, 62.1212

Protanomaly

46.0732, 45.5257, 64.1166

Deuteranomaly

46.9139, 45.4363, 61.5558

Tritanomaly

47.0749, 45.3395, 56.7224

Monochromacy



Original Color

48.1781, 45.5051, 62.1212

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.1534, 46.6493, 55.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1781, 45.5051, 62.1212 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(196, 172, 202)` looks like.

```
.text, #text, p{  
    color:rgb(196, 172, 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(196, 172, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 172, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.1781, 45.5051, 62.1212 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(196, 172, 202) }
```


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

```
.border{ border-color:rgb(196, 172, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 172, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 172, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 172, 202);  
box-shadow:4px 4px 4px 4px rgb(196, 172,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1781, 45.5051, 62.1212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 172, 202) }
```

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

```
.background{ background-color: rgb(196,  
172, 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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