

Converting Colors

XYZ(48.1453, 42.4775, 63.0405)

Have a look what the booklet for
XYZ(48.1453, 42.4775, 63.0405)
contains.

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Color

**XYZ(48.0011, 42.4059,
62.7820)**

Conversions

Conversions Part 1

Format	Color
Hex	CAA1CC
RGB	202, 161, 204
RGB Percent	79%, 63%, 80%
CMY	0.2078, 0.3686, 0.2000
CMYK	0.01, 0.21, 0.00, 0.20
HSL	297°, 30%, 72%
HSV	297°, 21%, 80%
XYZ	48.0011, 42.4059, 62.7820
YIQ	178.1610, 10.6330, 22.0650

Conversions

Conversions Part 2

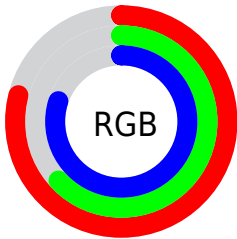
Format	Color
RYB	202, 161, 204
Decimal	13279692
CIELab	71.15, 22.53, -16.21
CIELCh	71, 27.753, 324.271
Yxy	42.4059, 0.3133, 0.2768
Android (android.graphics.Color)	4291469772 (0xFFCAA1CC)
YUV	178.1610, 12.7386, 20.9068
Hunter-Lab	65.1198, 17.6162, -11.5776

Details

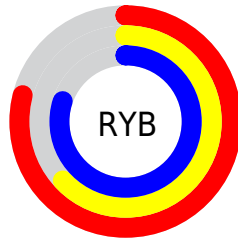
The XYZ color **48.0011, 42.4059, 62.7820** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.1316, 53.5465, 41.7825**, and the grayscale version is **42.3339, 44.5386, 48.5025**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **23.0063, 19.3423, 31.3750** is the 20% darker color. If you saturate the color by 10%, you get **44.4675, 35.7178, 61.6779**, and if you desaturate by 10%, it is **52.1205, 50.2617, 64.0818**.

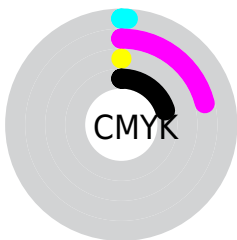
Distribution



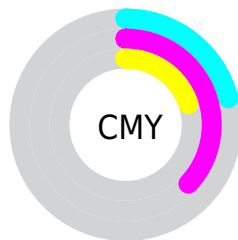
- Red (79%)
- Green (63%)
- Blue (80%)



- Red (79%)
- Yellow (63%)
- Blue (80%)



- Cyan (1%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)





- Cyan (21%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0011, 42.4059, 62.7820 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 48.0011, 42.4059, 62.7820 by changing the saturation by 10% instead.


 48.0011, 42.4059,
62.7820


 48.0011, 42.4059,
62.7820

369.3790,
356.1628, 452.8640

 34.0390, 29.4193,
45.2250

 86.4157, 78.8136,
110.4375

 23.0866, 19.3982,
31.2905


 111.5990,
103.0034, 141.3730

 14.7785, 11.9584,
20.5598

141.2533,
131.6964, 177.6052

 8.7494, 6.7153,
12.6145

175.7441,
165.2769, 219.5525

 4.6339, 3.2847,
7.0361

215.4367,
204.1295, 267.6335

 2.0666, 1.2821,
3.4059

260.6965,

 0.6710, 0.1273,

248.6384, 322.2668

1.3054

311.8888,
299.1880, 383.8707

■ 0.0000, 0.0000,
0.0662

■ 0.0000, 0.0000,
0.0000

■ 48.0011, 42.4059,
62.7820

■ 48.0011, 42.4059,
62.7820

■ 44.4675, 35.7178,
61.6779

■ 52.1205, 50.2617,
64.0818

■ 41.4875, 30.1355,
60.7575

■ 56.8481, 59.3322,
65.5834

■ 39.0321, 25.5999,
60.0115

■ 62.2097, 69.6685,
67.2960

■ 37.0677, 22.0440,
59.4286

■ 68.2287, 81.3173,
69.2272

35.5570, 19.3932,
58.9966

72.3201, 89.1084,
70.5154

34.4573, 17.5622,
58.7011

72.5856, 89.2452,
70.5278

33.7179, 16.4492,
58.5253

72.8526, 89.3829,
70.5403

33.2796, 15.8972,
58.4418

73.1212, 89.5214,
70.5529

73.3915, 89.6607,
70.5655

Harmonies

Analogous

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



44.0902, 42.4059, 73.6430



48.0011, 42.4059, 62.7820



49.8636, 42.4059, 48.7740

Triad

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



48.0011, 42.4059, 62.7820



41.2039, 42.4059, 25.1081



32.6980, 42.4059, 57.5080

Complementary

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



48.0011, 42.4059, 62.7820



43.1316, 53.5465, 41.7825

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.



32.0543, 42.4059, 43.6658



48.0011, 42.4059, 62.7820



36.7439, 42.4059, 26.5565

Square

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



48.0011, 42.4059, 62.7820



45.7504, 42.4059, 28.3622



33.4798, 42.4059, 32.7863



35.3108, 42.4059, 70.2115

Rectangle

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



48.0011, 42.4059, 62.7820



49.5978, 42.4059, 40.1488



33.4798, 42.4059, 32.7863



32.2530, 42.4059, 52.7711

Sweetspot

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



48.0024, 42.4077, 62.7829



90.1006, 90.4890, 107.3251



38.7226, 38.1864, 62.4572



19.1749, 19.1566, 22.9369



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.



48.0024, 42.4077, 62.7829



76.8931, 65.2928, 103.1578



46.3681, 41.8169, 51.3345



11.6340, 11.3761, 14.1530



20.9688, 10.0174, 36.7846



1.0980, 0.5252, 1.8984

Inverse Universe

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



44.2590, 40.9733, 40.2281



69.6871, 62.5354, 59.5630



44.5662, 54.0734, 51.4571



11.2331, 11.2220, 11.7622



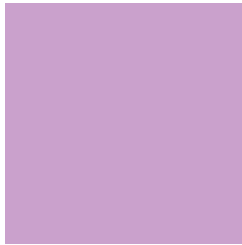
15.7158, 8.0969, 0.9559



0.8183, 0.4207, 0.0892

Previews

White Background



This preview shows how the XYZ color 48.0011, 42.4059, 62.7820 looks on a white background.

Color Contrast Check

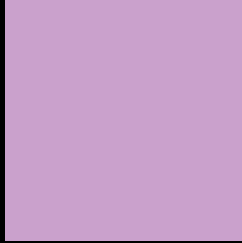
Large Text (above 18pt) WCAG AA × Fail

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 48.0011, 42.4059, 62.7820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

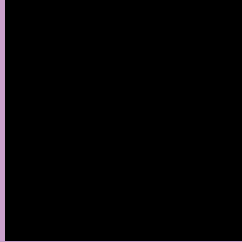
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0011, 42.4059, 62.7820

Background



This preview shows how black text looks on a background with the XYZ color 48.0011, 42.4059, 62.7820.



This preview shows how white text looks on a background with the XYZ color 48.0011, 42.4059,

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

48.0011, 42.4059, 62.7820

Protanopia

42.5531, 42.7476, 68.2957

Deuteranopia

43.3955, 42.4787, 61.7891



Tritanopia

44.9608, 42.4926, 47.9517

Trichromacy



Original Color

48.0011, 42.4059, 62.7820

Protanomaly

44.2870, 42.5631, 66.2029

Deuteranomaly

45.0917, 42.5140, 62.3293

Tritanomaly

45.7983, 42.2809, 52.7609

Monochromacy



Original Color

48.0011, 42.4059, 62.7820

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.2157, 43.6577, 53.1101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0011, 42.4059, 62.7820 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(202, 161, 204)` looks like.

```
.text, #text, p{  
    color:rgb(202, 161, 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(202, 161, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 161, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.0011, 42.4059, 62.7820 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(202, 161, 204) }
```


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

```
.border{ border-color:rgb(202, 161, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 161, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 161, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 161, 204);  
box-shadow:4px 4px 4px 4px rgb(202, 161,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0011, 42.4059, 62.7820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 161, 204) }
```

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

```
.background{ background-color: rgb(202,  
161, 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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