

Converting Colors

XYZ(49.3102, 42.7846, 62.9195)

Have a look what the booklet for
XYZ(49.3102, 42.7846, 62.9195)
contains.

XYZ(49.2020, 42.7666, 62.7883)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.2020, 42.7666,
62.7883)**

Conversions

Conversions Part 1

Format	Color
Hex	CFA0CC
RGB	207, 160, 204
RGB Percent	81%, 63%, 80%
CMY	0.1882, 0.3725, 0.2000
CMYK	0.00, 0.23, 0.01, 0.19
HSL	304°, 33%, 72%
HSV	304°, 23%, 81%
XYZ	49.2020, 42.7666, 62.7883
YIQ	179.0690, 13.8880, 23.6480

Conversions

Conversions Part 2

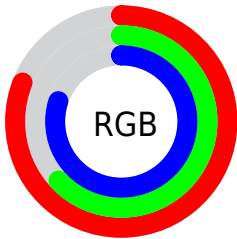
Format	Color
R _Y B	207, 160, 204
Decimal	13607116
CIE Lab	71.40, 24.76, -15.79
CIE LCh	71, 29.365, 327.479
Yxy	42.7666, 0.3179, 0.2763
Android (android.graphics.Color)	4291797196 (0xFFCFA0CC)
YUV	179.0690, 12.2910, 24.4955
Hunter-Lab	65.3962, 19.8544, -11.1483

Details

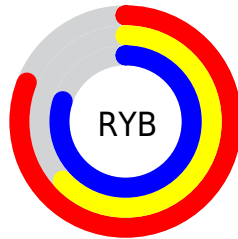
The XYZ color **49.2020, 42.7666, 62.7883** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.4226, 54.7449, 42.9308**, and the grayscale version is **42.8169, 45.0468, 49.0559**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **23.8165, 19.6025, 31.3826** is the 20% darker color. If you saturate the color by 10%, you get **45.7506, 36.1157, 60.8596**, and if you desaturate by 10%, it is **53.2548, 50.6167, 64.9251**.

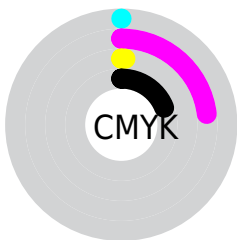
Distribution



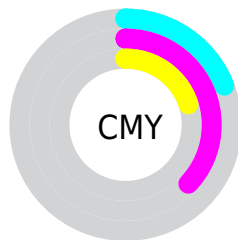
- Red (81%)
- Green (63%)
- Blue (80%)



- Red (81%)
- Yellow (63%)
- Blue (80%)



- Cyan (0%)
- Magenta (23%)
- Yellow (1%)
- Black (19%)



- Cyan (19%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2020, 42.7666, 62.7883 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 49.2020, 42.7666, 62.7883 by changing the saturation by 10% instead.

■ 49.2020, 42.7666,
62.7883

■ 49.2020, 42.7666,
62.7883

374.0408,
357.6510, 452.8876

■ 34.9949, 29.7020,
45.2301

■ 88.1903, 79.3585,
110.4467

■ 23.8255, 19.6125,
31.2944

■ 113.7023,
103.6547, 141.3839

■ 15.3282, 12.1137,
20.5628

143.7133,
132.4635, 177.6178

■ 9.1379, 6.8212,
12.6167

178.5886,
166.1693, 219.5670

■ 4.8891, 3.3505,
7.0375

218.6937,
205.1566, 267.6501

■ 2.2164, 1.3173,
3.4068

264.3938,

■ 0.7514, 0.1546,

249.8097, 322.2855

1.3059

316.0544,
300.5131, 383.8918

■ 0.0000, 0.0000,
0.0666

■ 0.0000, 0.0000,
0.0000

■ 49.2020, 42.7666,
62.7883

■ 49.2020, 42.7666,
62.7883

■ 45.7506, 36.1157,
60.8596

■ 53.2548, 50.6167,
64.9251

■ 42.8671, 30.5992,
59.1263

■ 57.9327, 59.7155,
67.2764

■ 40.5208, 26.1549,
57.5786

■ 63.2626, 70.1163,
69.8518

■ 38.6764, 22.7122,
56.2049

■ 69.2690, 81.8679,
72.6593

37.2944, 20.1923,
54.9918

73.2013, 89.4691,
74.7822

36.3294, 18.5043,
53.9244

73.3673, 89.5355,
75.6564

35.7269, 17.5390,
52.9842

73.5347, 89.6025,
76.5377

35.4461, 17.1510,
52.3553

73.7034, 89.6700,
77.4262

73.8736, 89.7380,
78.3220

Harmonies

Analogous

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



45.1942, 42.7666, 75.1346



49.2020, 42.7666, 62.7883



50.9037, 42.7666, 47.7733

Triad

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



49.2020, 42.7666, 62.7883



41.0679, 42.7666, 24.3194



32.7848, 42.7666, 60.2908

Complementary

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



49.2020, 42.7666, 62.7883



43.4226, 54.7449, 42.9308

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.



31.8721, 42.7666, 45.3783



49.2020, 42.7666, 62.7883



36.4180, 42.7666, 26.3482

Square

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



49.2020, 42.7666, 62.7883



45.9759, 42.7666, 27.1759



33.1484, 42.7666, 33.4096



35.7491, 42.7666, 73.4993

Rectangle

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



49.2020, 42.7666, 62.7883



50.4061, 42.7666, 38.8579



33.1484, 42.7666, 33.4096



32.2389, 42.7666, 55.2304

Sweetspot

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



49.2033, 42.7685, 62.7892



89.4347, 89.0621, 106.1258



38.8066, 37.3668, 64.1995



19.0443, 18.8715, 22.6659



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.



49.2033, 42.7685, 62.7892



76.1808, 63.3812, 99.1589



46.6603, 41.7513, 49.3980



12.2769, 11.9955, 14.7337



22.3458, 10.8111, 33.0565



1.2595, 0.6085, 1.9014

Inverse Universe

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



49.2033, 42.7685, 62.7892



76.1808, 63.3812, 99.1589



45.6585, 55.6393, 54.7054



12.2769, 11.9955, 14.7337



22.3458, 10.8111, 33.0565



1.2595, 0.6085, 1.9014

Previews

White Background



This preview shows how the XYZ color 49.2020, 42.7666, 62.7883 looks on a white background.

Color Contrast Check

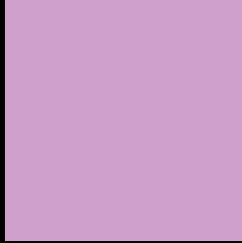
Large Text (above 18pt) WCAG AA × Fail

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 49.2020, 42.7666, 62.7883 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 49.2020, 42.7666, 62.7883

Background



This preview shows how black text looks on a background with the XYZ color 49.2020, 42.7666, 62.7883.



This preview shows how white text looks on a background with the XYZ color 49.2020, 42.7666,

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

49.2020, 42.7666, 62.7883

Protanopia

42.6797, 42.7982, 68.9622

Deuteranopia

43.8140, 42.9738, 61.8626



Tritanopia

46.1196, 42.8211, 47.9540

Trichromacy



Original Color

49.2020, 42.7666, 62.7883

Protanomaly

44.6915, 42.4822, 66.8171

Deuteranomaly

45.5845, 42.7680, 62.3524

Tritanomaly

46.9687, 42.6196, 52.7646

Monochromacy



Original Color

49.2020, 42.7666, 62.7883

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.8159, 43.9547, 53.6990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2020, 42.7666, 62.7883 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(207, 160, 204)` looks like.

```
.text, #text, p{  
    color:rgb(207, 160, 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(207, 160, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 160, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.2020, 42.7666, 62.7883 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(207, 160, 204) }
```


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

```
.border{ border-color:rgb(207, 160, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 160, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 160, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 160, 204);  
box-shadow:4px 4px 4px 4px rgb(207, 160,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2020, 42.7666, 62.7883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 160, 204) }
```

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

```
.background{ background-color: rgb(207,  
160, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor