

Converting Colors

XYZ(51.6830, 49.5091, 62.1640)

Have a look what the booklet for
XYZ(51.6830, 49.5091, 62.1640)
contains.

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Color

**XYZ(51.7657, 49.6969,
62.1225)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB4C9
RGB	204, 180, 201
RGB Percent	80%, 71%, 79%
CMY	0.2000, 0.2941, 0.2118
CMYK	0.00, 0.12, 0.01, 0.20
HSL	308°, 19%, 75%
HSV	308°, 12%, 80%
XYZ	51.7657, 49.6969, 62.1225
YIQ	189.5700, 7.5630, 11.6190

Conversions

Conversions Part 2

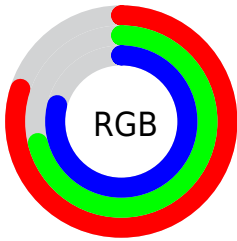
Format	Color
R_{YB}	204, 180, 201
Decimal	13415625
CIE _{Lab}	75.88, 12.28, -7.46
CIE _{LCh}	76, 14.366, 328.712
Yxy	49.6969, 0.3164, 0.3038
Android (android.graphics.Color)	4291605705 (0xFFCCB4C9)
YUV	189.5700, 5.6350, 12.6551
Hunter-Lab	70.4960, 7.7057, -2.9003

Details

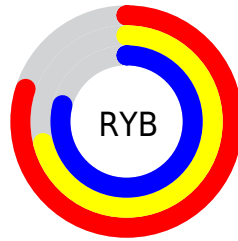
The XYZ color **51.7657, 49.6969, 62.1225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.9644, 56.3093, 53.0904**, and the grayscale version is **48.6632, 51.1974, 55.7540**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **25.4335, 23.7694, 30.8512** is the 20% darker color. If you saturate the color by 10%, you get **47.6497, 41.9403, 59.2830**, and if you desaturate by 10%, it is **56.4957, 58.6720, 65.1924**.

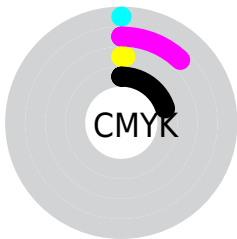
Distribution



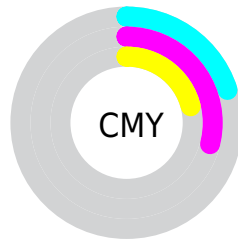
- Red (80%)
- Green (71%)
- Blue (79%)



- Red (80%)
- Yellow (71%)
- Blue (79%)



- Cyan (0%)
- Magenta (12%)
- Yellow (1%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7657, 49.6969, 62.1225 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 51.7657, 49.6969, 62.1225 by changing the saturation by 10% instead.

■ 51.7657, 49.6969,
62.1225

■ 51.7657, 49.6969,
62.1225

383.8702,
385.4795, 450.3978

■ 37.0419, 35.1726,
44.6953

■ 91.9619, 89.7256,
109.4759

■ 25.4137, 23.7959,
30.8763

118.1649,
115.9989, 140.2391

■ 16.5159, 15.1823,
20.2470

148.9251,
146.9572, 176.2847

■ 9.9831, 8.9474,
12.3888

184.6078,
182.9851, 218.0313

■ 5.4500, 4.7069,
6.8833

225.5783,
224.4668, 265.8973

■ 2.5511, 2.0763,
3.3119

272.2019,

■ 0.9211, 0.6513,

271.7869, 320.3014

1.2560

324.8441,
325.3296, 381.6620

■ 0.0000, 0.0000,
0.0253

■ 0.0000, 0.0000,
0.0000

■ 51.7657, 49.6969,
62.1225

■ 51.7657, 49.6969,
62.1225

■ 47.6497, 41.9403,
59.2830

■ 56.4957, 58.6720,
65.1924

■ 44.1169, 35.3430,
56.6619

■ 61.8601, 68.9087,
68.4979

■ 41.1405, 29.8506,
54.2505

■ 67.8838, 80.4559,
72.0479

■ 38.6897, 25.4015,
52.0386

■ 72.4455, 89.0709,
75.1355

36.7309, 21.9285,
50.0147

72.7683, 89.2000,
76.8352

35.2263, 19.3563,
48.1663

73.0961, 89.3311,
78.5617

34.1328, 17.5985,
46.4787

73.4291, 89.4643,
80.3153

33.3989, 16.5521,
44.9348

73.7673, 89.5996,
82.0959

32.9881, 16.0719,
43.7454

74.1106, 89.7369,
83.9037

Harmonies

Analogous

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



49.7481, 49.6969, 68.0768



51.7657, 49.6969, 62.1225



52.5630, 49.6969, 54.4430

Triad

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



51.7657, 49.6969, 62.1225



47.3510, 49.6969, 40.6879



42.8691, 49.6969, 61.4964

Complementary

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



51.7657, 49.6969, 62.1225



48.9644, 56.3093, 53.0904

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.



42.2806, 49.6969, 53.7813



51.7657, 49.6969, 62.1225



44.8088, 49.6969, 42.1999

Square

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



51.7657, 49.6969, 62.1225



49.9555, 49.6969, 42.4808



42.9775, 49.6969, 46.8206



44.6159, 49.6969, 67.6920

Rectangle

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



51.7657, 49.6969, 62.1225



52.2731, 49.6969, 49.5247



42.9775, 49.6969, 46.8206



42.5322, 49.6969, 58.9730

Sweetspot

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



51.7672, 49.6991, 62.1236



91.6773, 93.5820, 106.7663



46.7034, 47.0474, 63.7471



19.4911, 19.7802, 22.7680



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.



51.7672, 49.6991, 62.1236



83.9895, 79.0156, 101.7093



50.4318, 49.1649, 55.0917



11.6248, 11.3787, 13.8250



20.7865, 10.1252, 27.6583



1.0897, 0.5293, 1.5182

Inverse Universe

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



51.7672, 49.6991, 62.1236



83.9895, 79.0156, 101.7093



50.2447, 56.8214, 59.8323



11.6248, 11.3787, 13.8250



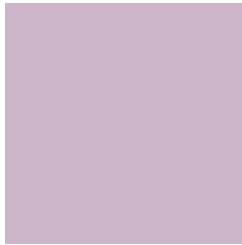
20.7865, 10.1252, 27.6583



1.0897, 0.5293, 1.5182

Previews

White Background



This preview shows how the XYZ color 51.7657, 49.6969, 62.1225 looks on a white background.

Color Contrast Check

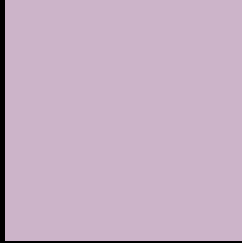
Large Text (above 18pt) WCAG AA × Fail

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 51.7657, 49.6969, 62.1225 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

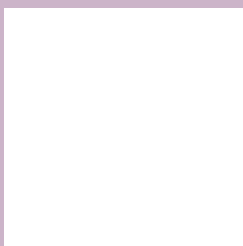
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7657, 49.6969, 62.1225

Background



This preview shows how black text looks on a background with the XYZ color 51.7657, 49.6969, 62.1225.



This preview shows how white text looks on a background with the XYZ color 51.7657, 49.6969,

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

51.7657, 49.6969, 62.1225

Protanopia

48.5859, 49.8399, 64.8169

Deuteranopia

50.8238, 49.8151, 62.1949



Tritanopia

51.0028, 49.6844, 58.5317

Trichromacy



Original Color

51.7657, 49.6969, 62.1225

Protanomaly

49.7778, 49.8471, 64.1246

Deuteranomaly

51.1539, 49.6823, 62.1519

Tritanomaly

51.2305, 49.7755, 59.7308

Monochromacy



Original Color

51.7657, 49.6969, 62.1225

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.8022, 50.6150, 58.1837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7657, 49.6969, 62.1225 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(204, 180, 201)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 201)  
}
```

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(204, 180, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 201) }
```

Border

The CSS property to change the border of an element to XYZ 51.7657, 49.6969, 62.1225 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(204, 180, 201) }
```


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

```
.border{ border-color:rgb(204, 180, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 201);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7657, 49.6969, 62.1225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 201) }
```

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

```
.background{ background-color: rgb(204,  
180, 201) }
```

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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