

Converting Colors

XYZ(49.6776, 49.9199, 63.5781)

Have a look what the booklet for
XYZ(49.6776, 49.9199, 63.5781)
contains.

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Color

**XYZ(49.6582, 49.7992,
63.4949)**

Conversions

Conversions Part 1

Format	Color
Hex	C0B8CB
RGB	192, 184, 203
RGB Percent	75%, 72%, 80%
CMY	0.2471, 0.2784, 0.2039
CMYK	0.05, 0.09, 0.00, 0.20
HSL	265°, 15%, 76%
HSV	265°, 9%, 80%
XYZ	49.6582, 49.7992, 63.4949
YIQ	188.5580, -1.3310, 7.6050

Conversions

Conversions Part 2

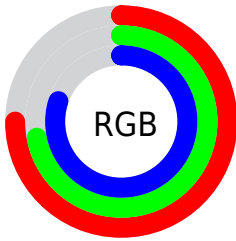
Format	Color
R _Y B	192, 184, 203
Decimal	12630219
CIE Lab	75.95, 6.39, -8.56
CIE LCh	76, 10.684, 306.713
Yxy	49.7992, 0.3047, 0.3056
Android (android.graphics.Color)	4290820299 (0xFFC0B8CB)
YUV	188.5580, 7.1199, 3.0186
Hunter-Lab	70.5685, 2.1132, -3.9489

Details

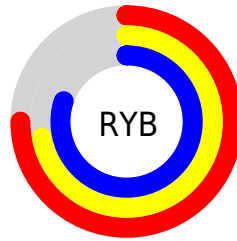
The XYZ color **49.6582, 49.7992, 63.4949** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.5152, 57.7760, 53.7338**, and the grayscale version is **48.0799, 50.5838, 55.0857**.

A 20% lighter version of the original color is **87.9215, 89.4966, 107.2484**, and **24.1886, 23.8915, 31.7704** is the 20% darker color. If you saturate the color by 10%, you get **42.8822, 40.4900, 62.0559**, and if you desaturate by 10%, it is **57.2799, 60.4454, 65.1489**.

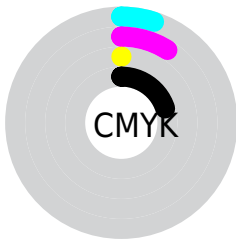
Distribution



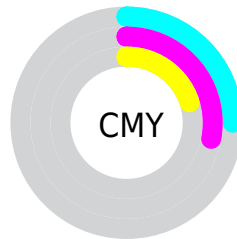
- Red (75%)
- Green (72%)
- Blue (80%)



- Red (75%)
- Yellow (72%)
- Blue (80%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (25%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6582, 49.7992, 63.4949 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 49.6582, 49.7992, 63.4949 by changing the saturation by 10% instead.

■ 49.6582, 49.7992,
63.4949

■ 49.6582, 49.7992,
63.4949

375.8019,
385.8802, 455.5206

■ 35.3586, 35.2539,
45.7981

■ 88.8631, 89.8773,
111.4756

■ 24.1070, 23.8585,
31.7390

114.4991,
116.1788, 142.5967

■ 15.5382, 15.2287,
20.8991

144.6446,
147.1679, 179.0296

■ 9.2867, 8.9800,
12.8597

179.6649,
183.2289, 221.1929

■ 4.9873, 4.7282,
7.2024

219.9255,
224.7463, 269.5051

■ 2.2745, 2.0887,
3.5087

265.7916,

■ 0.7816, 0.6582,

272.1043, 324.3848

1.3599

317.6286,
325.6875, 386.2504

■ 0.0000, 0.0000,
0.1101

■ 0.0000, 0.0000,
0.0000

■ 49.6582, 49.7992,
63.4949

■ 49.6582, 49.7992,
63.4949

■ 42.8822, 40.4900,
62.0559

■ 57.2799, 60.4454,
65.1489

■ 36.9165, 32.4574,
60.8199

■ 65.7725, 72.4732,
67.0229

■ 31.7292, 25.6454,
59.7785

■ 75.1653, 85.9330,
69.1258

■ 27.2847, 19.9917,
58.9214

■ 82.1426, 94.1859,
70.3510

■ 23.5443, 15.4280,
58.2377

■ 86.2416, 96.2990,
70.5429

■ 20.4654, 11.8787,
57.7149

■ 87.7796, 97.0919,
70.6148

■ 18.0000, 9.2581,
57.3390

■ 16.0925, 7.4655,
57.0935

■ 14.6512, 6.3287,
56.9501

Harmonies

Analogous

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



47.7816, 49.7992, 65.8561



49.6582, 49.7992, 63.4949



50.9367, 49.7992, 58.6736

Triad

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



49.6582, 49.7992, 63.4949



48.8622, 49.7992, 44.7631



43.6317, 49.7992, 55.5146

Complementary

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



49.6582, 49.7992, 63.4949



52.5152, 57.7760, 53.7338

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.



43.9027, 49.7992, 50.0031



49.6582, 49.7992, 63.4949



46.8865, 49.7992, 44.0472

Square

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



49.6582, 49.7992, 63.4949



50.4682, 49.7992, 47.9294



45.0809, 49.7992, 45.9005



44.3297, 49.7992, 61.0445

Rectangle

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



49.6582, 49.7992, 63.4949



51.2582, 49.7992, 54.8539



45.0809, 49.7992, 45.9005



43.6128, 49.7992, 53.5967

Sweetspot

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



49.6597, 49.8013, 63.4960



91.0470, 94.3853, 108.0272



50.0822, 53.5715, 64.2014



19.2636, 19.8888, 23.0736



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.



49.6597, 49.8013, 63.4960



81.0205, 80.4395, 105.8639



52.1210, 51.0702, 63.6112



11.0419, 11.0709, 14.1253



9.3697, 4.0378, 36.2418



0.5693, 0.2526, 1.8737

Inverse Universe

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



51.6211, 50.9198, 58.7400



84.9020, 82.6535, 96.4248



50.1580, 56.5609, 53.6235



11.4801, 11.3208, 13.0627



17.7836, 8.9240, 11.8452



0.9548, 0.4753, 0.8080

Previews

White Background



This preview shows how the XYZ color 49.6582, 49.7992, 63.4949 looks on a white background.

Color Contrast Check

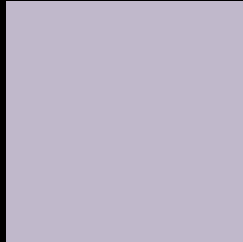
Large Text (above 18pt) WCAG AA × Fail

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 49.6582, 49.7992, 63.4949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

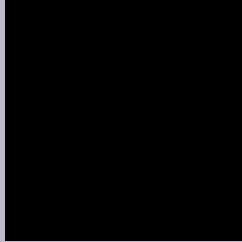
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6582, 49.7992, 63.4949

Background



This preview shows how black text looks on a background with the XYZ color 49.6582, 49.7992, 63.4949.



This preview shows how white text looks on a background with the XYZ color 49.6582, 49.7992,

63.4949.

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

49.6582, 49.7992, 63.4949

Protanopia

48.7077, 49.9165, 64.1944

Deuteranopia

50.7961, 49.7735, 63.4299



Tritanopia

49.1436, 49.8978, 61.0739

Trichromacy



Original Color

49.6582, 49.7992, 63.4949

Protanomaly

48.9871, 49.7489, 64.1473

Deuteranomaly

50.4779, 49.9145, 63.4739

Tritanomaly

49.2601, 49.9444, 61.6875

Monochromacy



Original Color

49.6582, 49.7992, 63.4949

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.7431, 50.3828, 58.1948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6582, 49.7992, 63.4949 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(192, 184, 203)` looks like.

```
.text, #text, p{  
    color:rgb(192, 184, 203)  
}
```

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(192, 184, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 184, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.6582, 49.7992, 63.4949 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(192, 184, 203) }
```


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

```
.border{ border-color:rgb(192, 184, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 184, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 184, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 184, 203);  
box-shadow:4px 4px 4px 4px rgb(192, 184,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6582, 49.7992, 63.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 184, 203) }
```

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

```
.background{ background-color: rgb(192,  
184, 203) }
```

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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