

Converting Colors

XYZ(52.2201, 49.4635, 69.7491)

Have a look what the booklet for
XYZ(52.2201, 49.4635, 69.7491)
contains.

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Color

**XYZ(52.2177, 49.4618,
69.7457)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B3D5
RGB	201, 179, 213
RGB Percent	79%, 70%, 84%
CMY	0.2118, 0.2980, 0.1647
CMYK	0.06, 0.16, 0.00, 0.16
HSL	279°, 29%, 77%
HSV	279°, 16%, 84%
XYZ	52.2177, 49.4618, 69.7457
YIQ	189.4540, 2.1980, 15.2380

Conversions

Conversions Part 2

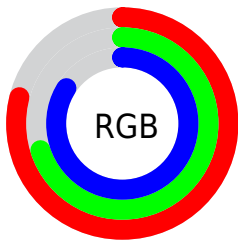
Format	Color
R _Y B	201, 179, 213
Decimal	13218773
CIE Lab	75.74, 14.09, -14.24
CIE LCh	76, 20.028, 314.699
Yxy	49.4618, 0.3046, 0.2885
Android (android.graphics.Color)	4291408853 (0xFFC9B3D5)
YUV	189.4540, 11.6082, 10.1258
Hunter-Lab	70.3291, 9.4562, -9.5678

Details

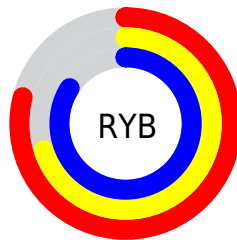
The XYZ color **52.2177, 49.4618, 69.7457** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **53.4186, 61.9208, 51.7867**, and the grayscale version is **48.5657, 51.0949, 55.6423**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **25.6650, 23.5934, 35.5490** is the 20% darker color. If you saturate the color by 10%, you get **46.3026, 40.5582, 68.3397**, and if you desaturate by 10%, it is **58.8941, 59.7394, 71.3783**.

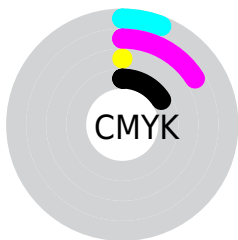
Distribution



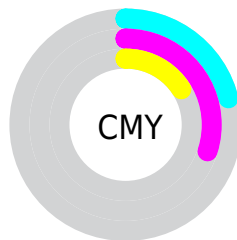
- Red (79%)
- Green (70%)
- Blue (84%)



- Red (79%)
- Yellow (70%)
- Blue (84%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)



- Cyan (21%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2177, 49.4618, 69.7457 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 52.2177, 49.4618, 69.7457 by changing the saturation by 10% instead.

■ 52.2177, 49.4618,
69.7457

■ 52.2177, 49.4618,
69.7457

385.5866,
384.5575, 478.4216

■ 37.4036, 34.9859,
50.8437

■ 92.6245, 89.3769,
120.5237

■ 25.6952, 23.6521,
35.7084

118.9480,
115.5850, 153.2369

■ 16.7273, 15.0757,
23.9212

149.8386,
146.4726, 191.3908

■ 10.1343, 8.8725,
15.0635

185.6618,
182.4242, 235.4041

■ 5.5511, 4.6581,
8.7168

226.7828,
223.8240, 285.6953

■ 2.6121, 2.0481,
4.4627

273.5670,

■ 0.9521, 0.6352,

271.0566, 342.6829

1.8824

326.3799,
324.5063, 406.7855

■ 0.0000, 0.0000,
0.4815

■ 0.0000, 0.0000,
0.0000

■ 52.2177, 49.4618,
69.7457

■ 52.2177, 49.4618,
69.7457

■ 46.3026, 40.5582,
68.3397

■ 58.8941, 59.7394,
71.3783

■ 41.1128, 32.9613,
67.1468

■ 66.3569, 71.4417,
73.2438

■ 36.6158, 26.6073,
66.1574

■ 74.6356, 84.6249,
75.3521

■ 32.7747, 21.4247,
65.3595

■ 80.7494, 93.3255,
76.7092

■ 29.5489, 17.3342,
64.7400

■ 83.2296, 94.6041,
76.8253

■ 26.8925, 14.2468,
64.2841

■ 85.8154, 95.9371,
76.9463

■ 24.7527, 12.0586,
63.9745

■ 88.5079, 97.3251,
77.0723

■ 23.0637, 10.6410,
63.7899

■ 89.0104, 97.5842,
77.0958

■ 22.4616, 10.1920,
63.7349

Harmonies

Analogous

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



48.8480, 49.4618, 76.1670



52.2177, 49.4618, 69.7457



54.2443, 49.4618, 59.4366

Triad

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



52.2177, 49.4618, 69.7457



48.9223, 49.4618, 36.4343



40.4353, 49.4618, 59.2152

Complementary

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



52.2177, 49.4618, 69.7457



53.4186, 61.9208, 51.7867

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.



40.4528, 49.4618, 48.6351



52.2177, 49.4618, 69.7457



45.2225, 49.4618, 36.3915

Square

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



52.2177, 49.4618, 69.7457



52.2746, 49.4618, 40.7090



42.1642, 49.4618, 40.5830



42.1149, 49.4618, 69.5653

Rectangle

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



52.2177, 49.4618, 69.7457



54.4969, 49.4618, 52.1968



42.1642, 49.4618, 40.5830



40.2458, 49.4618, 55.5489

Sweetspot

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



52.2192, 49.4639, 69.7468



89.4802, 91.2896, 107.5123



49.3353, 51.8553, 70.3604



18.9901, 19.2872, 22.9719



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.



52.2192, 49.4639, 69.7468



75.4798, 69.7875, 104.0999



55.0048, 50.9655, 66.9153



12.5079, 12.4032, 15.6723



13.8349, 6.2847, 38.9370



0.9227, 0.4246, 2.3526

Inverse Universe

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



52.9664, 50.1501, 56.1810



76.8512, 71.0308, 79.9331



50.9893, 60.6146, 54.1060



12.6025, 12.4925, 13.8469



17.5856, 8.9706, 5.1219



1.0994, 0.5565, 0.5128

Previews

White Background



This preview shows how the XYZ color 52.2177, 49.4618, 69.7457 looks on a white background.

Color Contrast Check

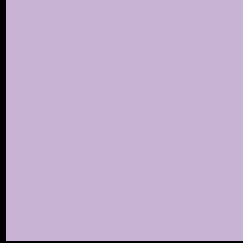
Large Text (above 18pt) WCAG AA × Fail

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 52.2177, 49.4618, 69.7457 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

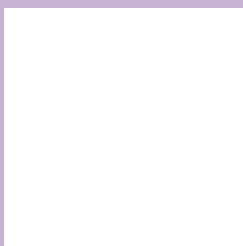
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2177, 49.4618, 69.7457

Background



This preview shows how black text looks on a background with the XYZ color 52.2177, 49.4618, 69.7457.



This preview shows how white text looks on a background with the XYZ color 52.2177, 49.4618,

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

52.2177, 49.4618, 69.7457

Protanopia

48.9294, 49.5314, 72.6273

Deuteranopia

50.6039, 49.5468, 69.1837



Tritanopia

49.9805, 49.4472, 59.1346

Trichromacy



Original Color

52.2177, 49.4618, 69.7457

Protanomaly

50.0672, 49.5162, 71.8845

Deuteranomaly

51.1725, 49.5370, 69.1519

Tritanomaly

50.7377, 49.4541, 62.7485

Monochromacy



Original Color

52.2177, 49.4618, 69.7457

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.5343, 50.1126, 60.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2177, 49.4618, 69.7457 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(201, 179, 213)` looks like.

```
.text, #text, p{  
    color:rgb(201, 179, 213)  
}
```

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(201, 179, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 179, 213) }
```

Border

The CSS property to change the border of an element to XYZ 52.2177, 49.4618, 69.7457 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(201, 179, 213) }
```


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

```
.border{ border-color:rgb(201, 179, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 179, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 179, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 179, 213);  
box-shadow:4px 4px 4px 4px rgb(201, 179,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2177, 49.4618, 69.7457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 179, 213) }
```

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

```
.background{ background-color: rgb(201,  
179, 213) }
```

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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