

Converting Colors

XYZ(49.0651, 44.1350, 69.5545)

Have a look what the booklet for
XYZ(49.0651, 44.1350, 69.5545)
contains.

XYZ(49.0625, 44.1332, 69.5510)	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(49.0625, 44.1332,
69.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	C6A6D6
RGB	198, 166, 214
RGB Percent	78%, 65%, 84%
CMY	0.2235, 0.3490, 0.1608
CMYK	0.07, 0.22, 0.00, 0.16
HSL	280°, 37%, 75%
HSV	280°, 22%, 84%
XYZ	49.0625, 44.1332, 69.5510
YIQ	181.0400, 3.6640, 21.7120

Conversions

Conversions Part 2

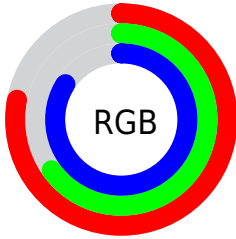
Format	Color
R _Y B	198, 166, 214
Decimal	13018838
CIE Lab	72.32, 20.41, -19.97
CIE LCh	72, 28.557, 315.621
Yxy	44.1332, 0.3015, 0.2712
Android (android.graphics.Color)	4291208918 (0xFFC6A6D6)
YUV	181.0400, 16.2493, 14.8739
Hunter-Lab	66.4328, 15.5698, -15.5699

Details

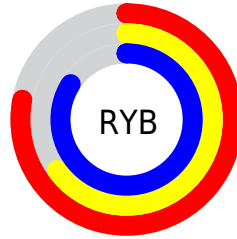
The XYZ color **49.0625, 44.1332, 69.5510** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.2224, 60.7925, 45.1656**, and the grayscale version is **43.8573, 46.1413, 50.2479**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **23.7769, 20.4671, 35.4983** is the 20% darker color. If you saturate the color by 10%, you get **43.6555, 36.0444, 68.2754**, and if you desaturate by 10%, it is **55.2081, 53.5659, 71.0485**.

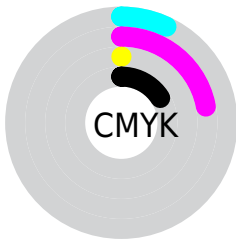
Distribution



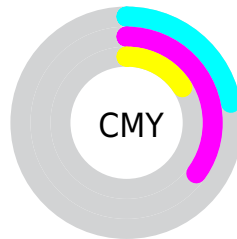
- Red (78%)
- Green (65%)
- Blue (84%)



- Red (78%)
- Yellow (65%)
- Blue (84%)



- Cyan (7%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)



- Cyan (22%)
- Magenta (35%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0625, 44.1332, 69.5510 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 49.0625, 44.1332, 69.5510 by changing the saturation by 10% instead.

■ 49.0625, 44.1332,
69.5510

■ 49.0625, 44.1332,
69.5510

373.5012,
363.2516, 477.7184

■ 34.8838, 30.7752,
50.6860

■ 87.9844, 81.4181,
120.2433

■ 23.7395, 20.4278,
35.5838

■ 113.4584,
106.1139, 152.9078

■ 15.2642, 12.7064,
23.8258

143.4281,
135.3577, 191.0091

■ 9.0925, 7.2267,
14.9934

178.2590,
169.5340, 234.9659

■ 4.8592, 3.6043,
8.6682

218.3164,
209.0271, 285.1967

■ 2.1988, 1.4547,
4.4316

263.9657,

■ 0.7421, 0.2566,

254.2215, 342.1200

1.8650

315.5721,
305.5015, 406.1544

■ 0.0000, 0.0000,
0.4703

■ 0.0000, 0.0000,
0.0000

■ 49.0625, 44.1332,
69.5510

■ 49.0625, 44.1332,
69.5510

■ 43.6555, 36.0444,
68.2754

■ 55.2081, 53.5659,
71.0485

■ 38.9497, 29.2293,
67.2079

■ 62.1192, 64.3971,
72.7749

■ 34.9106, 23.6197,
66.3381

■ 69.8261, 76.6852,
74.7405

■ 31.4987, 19.1386,
65.6529

■ 78.3564, 90.4834,
76.9542

■ 28.6701, 15.6998,
65.1383

■ 81.7209, 93.8116,
77.4193

■ 26.3743, 13.2045,
64.7776

■ 84.1061, 95.0412,
77.5309

■ 24.5509, 11.5339,
64.5513

■ 86.5866, 96.3199,
77.6470

■ 23.4076, 10.6649,
64.4438

■ 89.1377, 97.6351,
77.7664

Harmonies

Analogous

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



44.5408, 44.1332, 79.0762



49.0625, 44.1332, 69.5510



51.7721, 44.1332, 55.0852

Triad

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



49.0625, 44.1332, 69.5510



44.3356, 44.1332, 26.3344



33.4969, 44.1332, 55.7071

Complementary

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



49.0625, 44.1332, 69.5510



50.2224, 60.7925, 45.1656

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.



33.4514, 44.1332, 41.6473



49.0625, 44.1332, 69.5510



39.4564, 44.1332, 26.4360

Square

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



49.0625, 44.1332, 69.5510



48.9022, 44.1332, 31.2049



35.5555, 44.1332, 31.5165



35.6852, 44.1332, 70.0822

Rectangle

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



49.0625, 44.1332, 69.5510



52.0607, 44.1332, 45.4540



35.5555, 44.1332, 31.5165



33.2365, 44.1332, 50.7503

Sweetspot

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



49.0639, 44.1351, 69.5520



87.4623, 88.0242, 106.9883



44.7574, 46.7483, 70.2834



18.5864, 18.6305, 22.8664



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.



49.0639, 44.1351, 69.5520



68.9353, 59.5651, 102.4717



52.6071, 46.0656, 65.0232



12.5322, 12.4157, 15.6735



14.2627, 6.5052, 38.9571



0.9464, 0.4367, 2.3537

Inverse Universe

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



49.8127, 44.9478, 50.3083



70.3516, 61.0495, 68.4627



47.3362, 59.2261, 48.5755



12.5923, 12.4884, 13.7933



17.4992, 8.9360, 4.6670



1.0934, 0.5541, 0.4810

Previews

White Background



This preview shows how the XYZ color 49.0625, 44.1332, 69.5510 looks on a white background.

Color Contrast Check

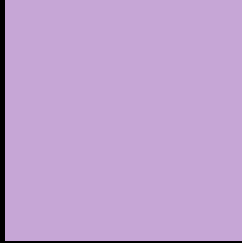
Large Text (above 18pt) WCAG AA × Fail

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 49.0625, 44.1332, 69.5510 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 49.0625, 44.1332, 69.5510

Background



This preview shows how black text looks on a background with the XYZ color 49.0625, 44.1332, 69.5510.



This preview shows how white text looks on a background with the XYZ color 49.0625, 44.1332,

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

49.0625, 44.1332, 69.5510

Protanopia

44.5128, 44.4866, 74.6473

Deuteranopia

45.0853, 44.0383, 69.0748



Tritanopia

45.5680, 44.0979, 52.0090

Trichromacy



Original Color

49.0625, 44.1332, 69.5510

Protanomaly

45.7675, 44.0320, 72.4165

Deuteranomaly

46.3925, 43.8678, 68.9730

Tritanomaly

46.6574, 43.9636, 58.2513

Monochromacy



Original Color

49.0625, 44.1332, 69.5510

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.6445, 45.4657, 56.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0625, 44.1332, 69.5510 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(198, 166, 214)` looks like.

```
.text, #text, p{  
    color:rgb(198, 166, 214)  
}
```

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(198, 166, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 166, 214) }
```

Border

The CSS property to change the border of an element to XYZ 49.0625, 44.1332, 69.5510 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(198, 166, 214) }
```


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

```
.border{ border-color:rgb(198, 166, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 166, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 166, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 166, 214);  
box-shadow:4px 4px 4px 4px rgb(198, 166,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0625, 44.1332, 69.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 166, 214) }
```

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

```
.background{ background-color: rgb(198,  
166, 214) }
```

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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