

Converting Colors

XYZ(49.7639, 44.2149, 82.2558)

Have a look what the booklet for
XYZ(49.7639, 44.2149, 82.2558)
contains.

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Color

**XYZ(49.6876, 44.1750,
82.2517)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA6E8
RGB	191, 166, 232
RGB Percent	75%, 65%, 91%
CMY	0.2510, 0.3490, 0.0902
CMYK	0.18, 0.28, 0.00, 0.09
HSL	263°, 59%, 78%
HSV	263°, 28%, 91%
XYZ	49.6876, 44.1750, 82.2517
YIQ	180.9990, -6.2860, 25.8260

Conversions

Conversions Part 2

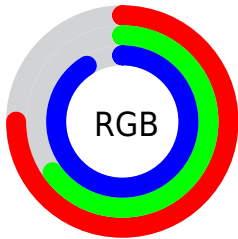
Format	Color
R_{YB}	191, 166, 232
Decimal	12560104
CIE _{Lab}	72.35, 21.99, -29.83
CIE _{LCh}	72, 37.056, 306.393
Yxy	44.1750, 0.2821, 0.2508
Android (android.graphics.Color)	4290750184 (0xFFBFA6E8)
YUV	180.9990, 25.1435, 8.7709
Hunter-Lab	66.4643, 17.1312, -26.8483

Details

The XYZ color **49.6876, 44.1750, 82.2517** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.4729, 73.7328, 47.0702**, and the grayscale version is **43.7925, 46.0732, 50.1737**.

A 20% lighter version of the original color is **82.6179, 78.8894, 105.4805**, and **24.1703, 20.4876, 43.7549** is the 20% darker color. If you saturate the color by 10%, you get **42.3969, 34.7114, 80.8100**, and if you desaturate by 10%, it is **58.0986, 55.3475, 83.9656**.

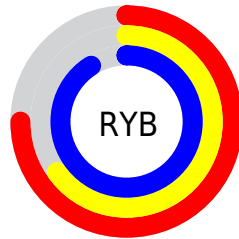
Distribution



Red (75%)

Green (65%)

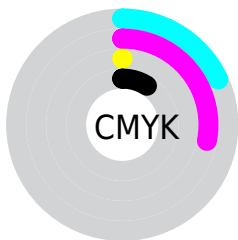
Blue (91%)



Red (75%)

Yellow (65%)

Blue (91%)

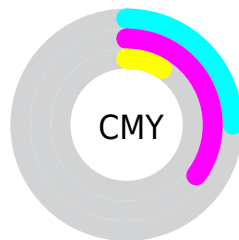


Cyan (18%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (25%)

Magenta (35%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6876, 44.1750, 82.2517 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 49.6876, 44.1750, 82.2517 by changing the saturation by 10% instead.


 49.6876, 44.1750,
82.2517

 49.6876, 44.1750,
82.2517


375.9152,
363.4219, 522.3948

 35.3820, 30.8081,
61.0360

 88.9064, 81.4810,
138.3668

 24.1252, 20.4528,
43.8235


 114.5504,
106.1889, 174.1032

 15.5518, 12.7246,
30.1956


144.7045,
135.4460, 215.5170

 9.2964, 7.2392,
19.7338

179.7342,
169.6365, 263.0266

 4.9936, 3.6121,
12.0195

220.0047,
209.1450, 317.0507

 2.2782, 1.4590,
6.6343

265.8815,

 0.7835, 0.2596,

254.3558, 378.0077

3.1595

317.7299,
305.6533, 446.3162

■ 0.0000, 0.0000,
1.1766

■ 0.0000, 0.0000,
0.0000

■ 49.6876, 44.1750,
82.2517

■ 49.6876, 44.1750,
82.2517

■ 42.3969, 34.7114,
80.8100

■ 58.0986, 55.3475,
83.9656

■ 36.1710, 26.8641,
79.6235

■ 67.6731, 68.3042,
85.9619

■ 30.9558, 20.5399,
78.6777

■ 78.4576, 83.1224,
88.2537

■ 26.6903, 15.6335,
77.9554

■ 89.2685, 97.4220,
90.4440

■ 23.3061, 12.0255,
77.4374

■ 91.5656, 98.6062,
90.5515

■ 20.7236, 9.5759,
77.1007

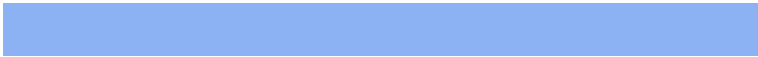
■ 18.8326, 8.0840,
76.9124

■ 18.5786, 7.8950,
76.8893

Harmonies

Analogous

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



43.3667, 44.1750, 92.0990



49.6876, 44.1750, 82.2517



54.2499, 44.1750, 63.5709

Triad

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



49.6876, 44.1750, 82.2517



47.0894, 44.1750, 22.5702



30.9458, 44.1750, 52.1148

Complementary

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



49.6876, 44.1750, 82.2517



61.4729, 73.7328, 47.0702

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.



31.7271, 44.1750, 35.3663



49.6876, 44.1750, 82.2517



40.6369, 44.1750, 20.9676

Square

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



49.6876, 44.1750, 82.2517



52.6469, 44.1750, 30.1326



35.1262, 44.1750, 25.0138



32.8729, 44.1750, 72.0783

Rectangle

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



49.6876, 44.1750, 82.2517



55.4467, 44.1750, 50.3414



35.1262, 44.1750, 25.0138



30.9035, 44.1750, 45.9243

Sweetspot

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



49.6891, 44.1768, 82.2527



83.1087, 83.6170, 106.3671



52.8000, 58.9489, 84.9400



17.4003, 17.3688, 22.6854



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.



49.6891, 44.1768, 82.2527



56.2333, 47.7732, 100.8651



58.6960, 48.8201, 82.6742



14.0962, 14.1518, 18.1330



10.4432, 4.4496, 42.6916



0.8723, 0.3807, 3.1595

Inverse Universe

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



58.1787, 48.9349, 65.4120



68.5043, 54.6586, 76.1589



53.3753, 69.5583, 46.6912



14.7515, 14.5178, 16.8920



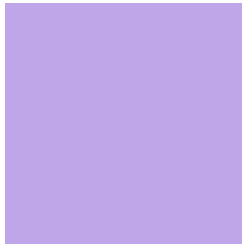
21.3381, 10.6694, 15.9411



1.6216, 0.8064, 1.4141

Previews

White Background



This preview shows how the XYZ color 49.6876, 44.1750, 82.2517 looks on a white background.

Color Contrast Check

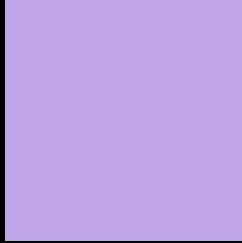
Large Text (above 18pt) WCAG AA × Fail

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 49.6876, 44.1750, 82.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

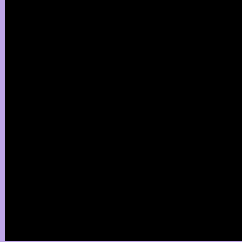
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6876, 44.1750, 82.2517

Background



This preview shows how black text looks on a background with the XYZ color 49.6876, 44.1750, 82.2517.



This preview shows how white text looks on a background with the XYZ color 49.6876, 44.1750,

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

49.6876, 44.1750, 82.2517

Protanopia

45.2080, 44.2629, 87.8222

Deuteranopia

45.1449, 44.0923, 80.9942



Tritanopia

43.7416, 43.9702, 53.7586

Trichromacy



Original Color

49.6876, 44.1750, 82.2517

Protanomaly

46.6874, 44.2191, 85.4313

Deuteranomaly

46.6659, 44.0093, 81.6364

Tritanomaly

45.7117, 43.9246, 63.1958

Monochromacy



Original Color

49.6876, 44.1750, 82.2517

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.9582, 45.5351, 61.0105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6876, 44.1750, 82.2517 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(191, 166, 232)` looks like.

```
.text, #text, p{  
    color:rgb(191, 166, 232)  
}
```

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(191, 166, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 166, 232) }
```

Border

The CSS property to change the border of an element to XYZ 49.6876, 44.1750, 82.2517 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(191, 166, 232) }
```


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

```
.border{ border-color:rgb(191, 166, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 166, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 166, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 166, 232);  
box-shadow:4px 4px 4px 4px rgb(191, 166,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6876, 44.1750, 82.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 166, 232) }
```

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

```
.background{ background-color: rgb(191,  
166, 232) }
```

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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