

# Converting Colors

XYZ(41.4542, 36.2878, 62.5770)

Have a look what the booklet for XYZ(41.4542, 36.2878, 62.5770) contains.

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# Color

**XYZ(41.4542, 36.2878,  
62.5770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B796CD
RGB	183, 150, 205
RGB Percent	72%, 59%, 80%
CMY	0.2823, 0.4117, 0.1961
CMYK	0.11, 0.27, 0.00, 0.20
HSL	276°, 35%, 70%
HSV	276°, 27%, 80%
XYZ	41.4542, 36.2878, 62.5770
YIQ	166.1370, 2.0130, 24.1010

# Conversions

## Conversions Part 2

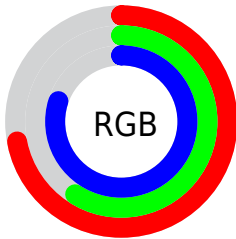
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 150, 205
Decimal	12031693
CIE <sub>Lab</sub>	66.74, 22.55, -23.63
CIE <sub>LCh</sub>	67, 32.660, 313.657
Yxy	36.2878, 0.2954, 0.2586
Android (android.graphics.Color)	4290221773 (0xFFB796CD)
YUV	166.1370, 19.1595, 14.7889
Hunter-Lab	60.2394, 17.4173, -19.4233

# Details

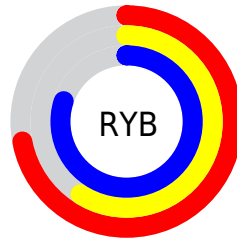
The XYZ color **41.4542, 36.2878, 62.5770** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.3510, 54.6363, 37.0643**, and the grayscale version is **36.2224, 38.1087, 41.5004**.

A 20% lighter version of the original color is **75.2395, 68.7565, 103.9135**, and **19.1010, 15.8252, 31.3260** is the 20% darker color. If you saturate the color by 10%, you get **36.5710, 29.3324, 61.4924**, and if you desaturate by 10%, it is **47.0257, 44.4493, 63.8592**.

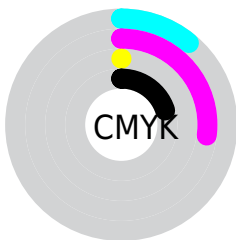
# Distribution



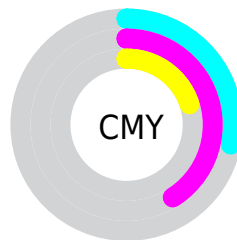
- Red (72%)
- Green (59%)
- Blue (80%)



- Red (72%)
- Yellow (59%)
- Blue (80%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (20%)




- Cyan (28%)
- Magenta (41%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4542, 36.2878, 62.5770 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 41.4542, 36.2878, 62.5770 by changing the saturation by 10% instead.





 41.4542, 36.2878,  
62.5770


 41.4542, 36.2878,  
62.5770

343.2456,  
330.2167, 452.0983

 28.8634, 24.6566,  
45.0603


 76.6433, 69.4760,  
110.1387

 19.1213, 15.8214,  
31.1616


 99.9722, 91.8018,  
141.0208

 11.8625, 9.3978,  
20.4625


127.6113,  
118.4613, 177.1950

 6.7216, 5.0016,  
12.5442

159.9258,  
149.8387, 219.0800

 3.3334, 2.2482,  
6.9885

197.2812,  
186.3186, 267.0943

 1.3324, 0.7461,  
3.3765

240.0427,

 0.2073, 0.0000,

228.2853, 321.6565

1.2900

288.5757,  
276.1232, 383.1849

■ 0.0000, 0.0000,  
0.0535

■ 0.0000, 0.0000,  
0.0000

■ 41.4542, 36.2878,  
62.5770

■ 41.4542, 36.2878,  
62.5770

■ 36.5710, 29.3324,  
61.4924

■ 47.0257, 44.4493,  
63.8592

■ 32.3408, 23.5180,  
60.5931

■ 53.3114, 53.8686,  
65.3461

■ 28.7302, 18.7801,  
59.8689

■ 60.3401, 64.5998,  
67.0469

■ 25.7014, 15.0456,  
59.3077

■ 68.1381, 76.6926,  
68.9701

■ 23.2116, 12.2321,  
58.8958

■ 76.7301, 90.1939,  
71.1232

■ 21.2111, 10.2437,  
58.6175

■ 80.1244, 93.1177,  
71.5087

■ 19.6353, 8.9542,  
58.4516

■ 82.8520, 94.5238,  
71.6364

■ 19.1876, 8.6186,  
58.4105

■ 85.7055, 95.9949,  
71.7699

■ 88.0196, 97.1878,  
71.8782

# Harmonies

## Analogous

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



36.7765, 36.2878, 72.1838



41.4542, 36.2878, 62.5770



44.4058, 36.2878, 47.6502

# Triad

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



41.4542, 36.2878, 62.5770



37.2262, 36.2878, 18.7721



26.0777, 36.2878, 46.2712

# Complementary

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



41.4542, 36.2878, 62.5770



44.3510, 54.6363, 37.0643

# 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.



26.1732, 36.2878, 32.3562



41.4542, 36.2878, 62.5770



32.3012, 36.2878, 18.5723

# Square

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



41.4542, 36.2878, 62.5770



41.8104, 36.2878, 23.5819



28.3538, 36.2878, 22.9499



28.0790, 36.2878, 61.3625



# Rectangle

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



41.4542, 36.2878, 62.5770



44.8375, 36.2878, 37.8056



28.3538, 36.2878, 22.9499



25.8719, 36.2878, 41.2674

# Sweetspot

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



41.4554, 36.2893, 62.5778



85.9452, 86.1529, 106.7071



38.5262, 40.7485, 63.5929



18.0485, 17.9167, 22.7570



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.



41.4554, 36.2893, 62.5778



63.3046, 52.8471, 101.4717



46.5584, 38.9830, 59.9706



11.2365, 11.1712, 14.1344



12.0546, 5.4219, 36.3675



0.7061, 0.3231, 1.8801



# Inverse Universe

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



43.5309, 37.7720, 44.0280



67.4060, 55.7590, 65.6287



40.2918, 52.5002, 38.8389



11.3951, 11.2868, 12.6154



16.6658, 8.4769, 5.9590



0.8970, 0.4522, 0.5033



# Previews

## White Background



This preview shows how the XYZ color 41.4542, 36.2878, 62.5770 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

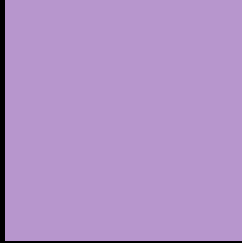
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.4542, 36.2878, 62.5770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

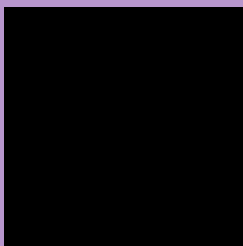
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.4542, 36.2878, 62.5770**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.4542, 36.2878, 62.5770.



This preview shows how white text looks on a background with the XYZ color 41.4542, 36.2878,



# 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

41.4542, 36.2878, 62.5770

### Protanopia

37.1495, 36.6834, 68.0734

### Deuteranopia

37.0823, 36.2762, 61.5475



## Tritanopia

37.3499, 36.3256, 42.5791

# Trichromacy



## Original Color

41.4542, 36.2878, 62.5770

## Protanomaly

38.3878, 36.3442, 65.9646

## Deuteranomaly

38.5134, 36.2436, 62.0926

## Tritanomaly

38.5895, 36.0723, 49.1847

# Monochromacy



## Original Color

41.4542, 36.2878, 62.5770

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

37.8223, 37.2076, 48.3683

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.4542, 36.2878, 62.5770 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(183, 150, 205)` looks like.

```
.text, #text, p{  
    color:rgb(183, 150, 205)  
}
```

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(183, 150, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 150, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 41.4542, 36.2878, 62.5770 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(183, 150, 205) }
```



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

```
.border{ border-color:rgb(183, 150, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 150, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 150, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 150, 205);  
box-shadow:4px 4px 4px 4px rgb(183, 150,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.4542, 36.2878, 62.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 150, 205) }
```

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

```
.background{ background-color: rgb(183,  
150, 205) }
```

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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