

# Converting Colors

XYZ(44.4181, 35.4511, 44.2417)

Have a look what the booklet for  
XYZ(44.4181, 35.4511, 44.2417)  
contains.

<b>XYZ(44.3629, 35.4902, 44.0473)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(44.3629, 35.4902,  
44.0473)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D68AAD
RGB	214, 138, 173
RGB Percent	84%, 54%, 68%
CMY	0.1608, 0.4588, 0.3216
CMYK	0.00, 0.36, 0.19, 0.16
HSL	332°, 48%, 69%
HSV	332°, 36%, 84%
XYZ	44.3629, 35.4902, 44.0473
YIQ	164.7140, 34.0610, 26.9970

# Conversions

## Conversions Part 2

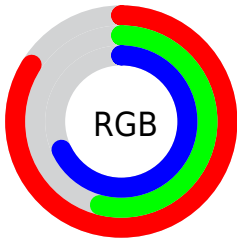
Format	Color
<a href="#">RYB</a>	<a href="#">214, 138, 173</a>
Decimal	<a href="#">14060205</a>
CIELab	<a href="#">66.13, 33.85, -6.32</a>
CIELCh	<a href="#">66, 34.432, 349.431</a>
Yxy	<a href="#">35.4902, 0.3581, 0.2864</a>
Android (android.graphics.Color)	<a href="#">4292250285 (0xFFD68AAD)</a>
YUV	<a href="#">164.7140, 4.0850, 43.2238</a>
Hunter-Lab	<a href="#">59.5737, 28.6703, -2.1360</a>

# Details

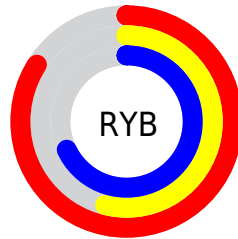
The XYZ color **44.3629, 35.4902, 44.0473** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.6660, 56.7521, 51.3560**, and the grayscale version is **35.5978, 37.4516, 40.7848**.

A 20% lighter version of the original color is **74.0932, 64.5607, 81.9551**, and **20.9599, 15.4660, 19.9697** is the 20% darker color. If you saturate the color by 10%, you get **40.5204, 29.5163, 37.4908**, and if you desaturate by 10%, it is **48.9089, 42.7158, 51.3154**.

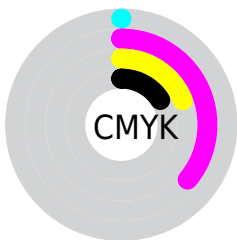
# Distribution



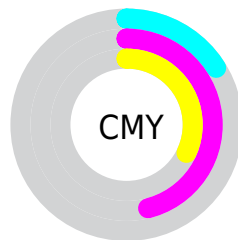
- Red (84%)
- Green (54%)
- Blue (68%)



- Red (84%)
- Yellow (54%)
- Blue (68%)



- Cyan (0%)
- Magenta (36%)
- Yellow (19%)
- Black (16%)




- Cyan (16%)
- Magenta (46%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.3629, 35.4902, 44.0473 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 44.3629, 35.4902, 44.0473 by changing the saturation by 10% instead.




 44.3629, 35.4902,  
44.0473


 44.3629, 35.4902,  
44.0473


355.0144,  
326.7268, 378.9483


 31.1550, 24.0407,  
30.3702


 81.0065, 68.2445,  
82.5921

 20.8693, 15.3638,  
19.8653


 105.1730, 90.3181,  
108.2970

 13.1404, 9.0751,  
12.1141


 133.7230,  
116.7018, 138.8482

 7.6030, 4.7902,  
6.6979

167.0220,  
147.7801, 174.6643

 3.8916, 2.1247,  
3.1984

205.4353,  
183.9374, 216.1638

 1.6410, 0.6785,  
1.1968

249.3282,

 0.4189, 0.0000,

225.5580, 263.7653

0.0000

299.0661,  
273.0263, 317.8872

■ 0.0000, 0.0000,  
0.0000

■ 44.3629, 35.4902,  
44.0473

■ 44.3629, 35.4902,  
44.0473

■ 40.5204, 29.5163,  
37.4908

■ 48.9089, 42.7158,  
51.3154

■ 37.3403, 24.7168,  
31.6190

■ 54.1904, 51.2546,  
59.3163

■ 34.7815, 21.0134,  
26.4062


■ 60.2411, 61.1700,  
68.0727


■ 32.7969, 18.3161,  
21.8238


■ 67.0918, 72.5198,  
77.6055


■ 31.3322, 16.5206,  
17.8398

■ 74.7713, 85.3586,  
87.9350

 30.3210, 15.4987,  
14.4180

 79.5599, 92.2435,  
97.8313

 29.9623, 15.1885,  
13.0436

 81.3522, 92.9604,  
107.2693

 81.5418, 93.0363,  
108.2678

# Harmonies

## Analogous

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



41.7753, 35.4902, 60.0282



44.3629, 35.4902, 44.0473



43.8921, 35.4902, 30.0032

# Triad

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



44.3629, 35.4902, 44.0473



30.5627, 35.4902, 17.6891



27.7273, 35.4902, 64.2548

# Complementary

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



44.3629, 35.4902, 44.0473



42.6660, 56.7521, 51.3560

# 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.



25.2755, 35.4902, 48.7996



44.3629, 35.4902, 44.0473



26.7943, 35.4902, 23.0560

# Square

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



44.3629, 35.4902, 44.0473



35.5701, 35.4902, 17.0279



24.9521, 35.4902, 33.6995



31.9590, 35.4902, 73.5055



# Rectangle

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



44.3629, 35.4902, 44.0473



41.9204, 35.4902, 23.3613



24.9521, 35.4902, 33.6995



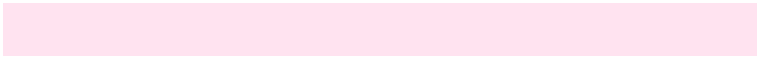
26.6867, 35.4902, 59.4547

# Sweetspot

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



44.3639, 35.4919, 44.0480



84.4038, 82.4542, 93.8012



39.7103, 32.5620, 67.8110



17.8066, 17.2243, 19.7000



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.



44.3639, 35.4919, 44.0480



61.3650, 45.5963, 57.6979



41.7766, 35.0453, 28.6093



12.6588, 12.5150, 14.1432



18.1614, 9.2009, 8.1542



1.1369, 0.5716, 0.7105



# Inverse Universe

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



44.3639, 35.4919, 44.0480



61.3650, 45.5963, 57.6979



46.0304, 57.0800, 72.2104



12.6588, 12.5150, 14.1432



18.1614, 9.2009, 8.1542

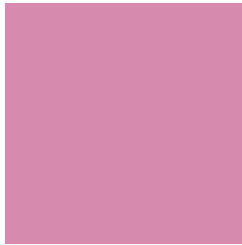


1.1369, 0.5716, 0.7105



# Previews

## White Background



This preview shows how the XYZ color 44.3629, 35.4902, 44.0473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

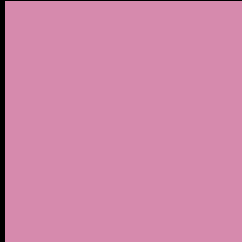
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.3629, 35.4902, 44.0473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

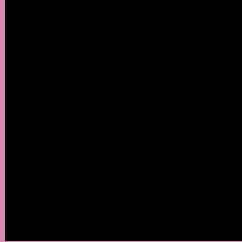
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.3629, 35.4902, 44.0473**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.3629, 35.4902, 44.0473.



This preview shows how white text looks on a background with the XYZ color 44.3629, 35.4902,



# 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

44.3629, 35.4902, 44.0473

### Protanopia

35.2507, 35.7974, 52.0654

### Deuteranopia

36.3777, 35.5635, 42.9773



## Tritanopia

42.4919, 35.6100, 34.3396

# Trichromacy



## Original Color

44.3629, 35.4902, 44.0473

## Protanomaly

37.8032, 35.1810, 49.0541

## Deuteranomaly

38.8372, 35.1265, 43.2612

## Tritanomaly

43.3106, 35.7340, 37.8723

# Monochromacy



## Original Color

44.3629, 35.4902, 44.0473

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

38.3177, 36.3371, 42.0400

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.3629, 35.4902, 44.0473 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(214, 138, 173)` looks like.

```
.text, #text, p{  
    color:rgb(214, 138, 173)  
}
```

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(214, 138, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 138, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 44.3629, 35.4902, 44.0473 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(214, 138, 173) }
```



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

```
.border{ border-color:rgb(214, 138, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 138, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 138, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 138, 173); box-shadow:4px 4px 4px 4px rgb(214, 138, 173) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.3629, 35.4902, 44.0473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 138, 173) }
```

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

```
.background{ background-color: rgb(214,  
138, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor