

# Converting Colors

XYZ(44.8004, 36.6540, 63.5684)

Have a look what the booklet for  
XYZ(44.8004, 36.6540, 63.5684)  
contains.

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# Color

**XYZ(44.7889, 36.5936,  
63.7341)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C790CF
RGB	199, 144, 207
RGB Percent	78%, 56%, 81%
CMY	0.2196, 0.4353, 0.1882
CMYK	0.04, 0.30, 0.00, 0.19
HSL	292°, 40%, 69%
HSV	292°, 30%, 81%
XYZ	44.7889, 36.5936, 63.7341
YIQ	167.6270, 12.5570, 31.2530

# Conversions

## Conversions Part 2

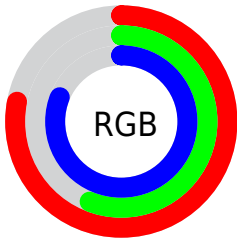
Format	Color
R <sub>Y</sub> B	199, 144, 207
Decimal	13078735
CIE Lab	66.97, 31.45, -24.25
CIE LCh	67, 39.716, 322.371
Yxy	36.5936, 0.3086, 0.2522
Android (android.graphics.Color)	4291268815 (0xFFC790CF)
YUV	167.6270, 19.4109, 27.5141
Hunter-Lab	60.4926, 26.2997, -20.1222

# Details

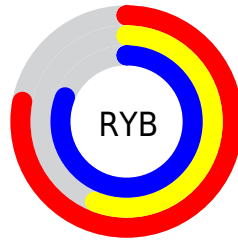
The XYZ color **44.7889, 36.5936, 63.7341** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.2970, 53.3156, 34.5544**, and the grayscale version is **36.9414, 38.8652, 42.3242**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **21.0834, 16.0250, 31.6877** is the 20% darker color. If you saturate the color by 10%, you get **41.2454, 30.5324, 62.7515**, and if you desaturate by 10%, it is **48.9216, 43.8138, 64.9105**.

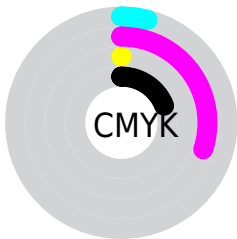
# Distribution



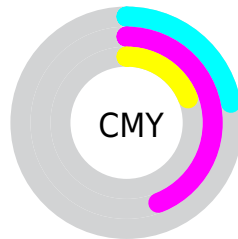
- Red (78%)
- Green (56%)
- Blue (81%)



- Red (78%)
- Yellow (56%)
- Blue (81%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (19%)




- Cyan (22%)
- Magenta (44%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7889, 36.5936, 63.7341 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 44.7889, 36.5936, 63.7341 by changing the saturation by 10% instead.





 44.7889, 36.5936,  
63.7341

 44.7889, 36.5936,  
63.7341


356.7160,  
331.5477, 456.4099

 31.4918, 24.8930,  
45.9905

 81.6426, 69.9473,  
111.8237

 21.1273, 15.9973,  
31.8897


 105.9298, 92.3692,  
143.0068

 13.3300, 9.5223,  
21.0132


134.6111,  
119.1336, 179.5068

 7.7348, 5.0834,  
12.9423

168.0518,  
150.6250, 221.7423

 3.9761, 2.2963,  
7.2586

206.6173,  
187.2276, 270.1319

 1.6886, 0.7717,  
3.5434

250.6729,

 0.4491, 0.0000,

229.3261, 325.0939

1.3784

300.5840,  
277.3046, 387.0471

■ 0.0000, 0.0000,  
0.1248

■ 0.0000, 0.0000,  
0.0000

■ 44.7889, 36.5936,  
63.7341

■ 44.7889, 36.5936,  
63.7341

■ 41.2454, 30.5324,  
62.7515

■ 48.9216, 43.8138,  
64.9105

■ 38.2561, 25.5625,  
61.9497

■ 53.6691, 52.2464,  
66.2879

■ 35.7877, 21.6166,  
61.3182

■ 59.0597, 61.9472,  
67.8762

■ 33.8015, 18.6177,  
60.8440

■ 65.1189, 72.9671,  
69.6839

■ 32.2539, 16.4782,  
60.5127

■ 71.8709, 85.3542,  
71.7190

■ 31.0926, 15.0940,  
60.3067

■ 74.9802, 90.4377,  
72.5364

■ 30.2520, 14.2944,  
60.1966

■ 75.7572, 90.8383,  
72.5727

■ 76.5468, 91.2453,  
72.6097

■ 77.3488, 91.6588,  
72.6472

# Harmonies

## Analogous

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



39.3803, 36.5936, 79.0851



44.7889, 36.5936, 63.7341



47.5765, 36.5936, 44.4144

# Triad

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



44.7889, 36.5936, 63.7341



36.3423, 36.5936, 15.1731



25.1285, 36.5936, 53.8562

# Complementary

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



44.7889, 36.5936, 63.7341



40.2970, 53.3156, 34.5544

# 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.



24.5140, 36.5936, 35.5988



44.7889, 36.5936, 63.7341



30.5547, 36.5936, 16.3606

# Square

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



44.7889, 36.5936, 63.7341



42.3463, 36.5936, 18.9172



26.3876, 36.5936, 22.8232



28.1753, 36.5936, 72.3288



# Rectangle

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



44.7889, 36.5936, 63.7341



47.3716, 36.5936, 33.1491



26.3876, 36.5936, 22.8232



24.6461, 36.5936, 47.3850

# Sweetspot

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



44.7901, 36.5952, 63.7349



87.0966, 85.6728, 106.5538



34.0589, 33.0225, 63.6109



18.3845, 17.8762, 22.7314



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.



44.7901, 36.5952, 63.7349



67.7026, 51.6457, 101.0080



44.3477, 36.6699, 50.0342



12.1570, 11.9297, 14.9056



19.1158, 9.0348, 37.9289



1.1111, 0.5270, 2.1227



# Inverse Universe

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



41.3741, 35.4805, 34.3751



61.4309, 49.6304, 45.6899



40.8000, 53.3496, 44.7563



11.8690, 11.8323, 12.5858



16.3512, 8.4133, 1.4898



0.9349, 0.4787, 0.1919



# Previews

## White Background



This preview shows how the XYZ color 44.7889, 36.5936, 63.7341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

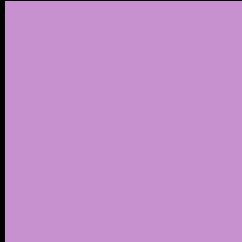
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7889, 36.5936, 63.7341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

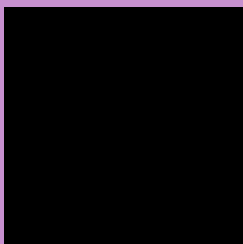
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.7889, 36.5936, 63.7341**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7889, 36.5936, 63.7341.



This preview shows how white text looks on a background with the XYZ color 44.7889, 36.5936,



# 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

44.7889, 36.5936, 63.7341

### Protanopia

37.6958, 36.8601, 72.8381

### Deuteranopia

37.5704, 36.7703, 62.2440



## Tritanopia

39.9214, 36.4743, 40.0581

# Trichromacy



## Original Color

44.7889, 36.5936, 63.7341

## Protanomaly

39.7130, 36.4560, 69.2336

## Deuteranomaly

39.8086, 36.4032, 62.6860

## Tritanomaly

41.4913, 36.3923, 48.0176

# Monochromacy



## Original Color

44.7889, 36.5936, 63.7341

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

39.4320, 37.7574, 49.4656

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7889, 36.5936, 63.7341 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(199, 144, 207)` looks like.

```
.text, #text, p{  
    color:rgb(199, 144, 207)  
}
```

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(199, 144, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 144, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7889, 36.5936, 63.7341 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(199, 144, 207) }
```



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

```
.border{ border-color:rgb(199, 144, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 144, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 144, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 144, 207); box-shadow:4px 4px 4px 4px rgb(199, 144, 207) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7889, 36.5936, 63.7341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 144, 207) }
```

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

```
.background{ background-color: rgb(199,  
144, 207) }
```

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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