

# Converting Colors

XYZ(44.2129, 40.2839, 48.7435)

Have a look what the booklet for  
XYZ(44.2129, 40.2839, 48.7435)  
contains.

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# Color

**XYZ(44.1895, 40.2337,  
48.6169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C79FB4
RGB	199, 159, 180
RGB Percent	78%, 62%, 71%
CMY	0.2196, 0.3765, 0.2941
CMYK	0.00, 0.20, 0.10, 0.22
HSL	329°, 26%, 70%
HSV	329°, 20%, 78%
XYZ	44.1895, 40.2337, 48.6169
YIQ	173.3540, 17.0990, 15.0110

# Conversions

## Conversions Part 2

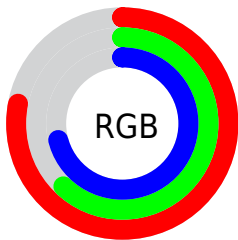
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 159, 180
Decimal	13082548
CIE <sub>Lab</sub>	69.64, 18.22, -5.22
CIE <sub>LCh</sub>	70, 18.957, 344.027
Yxy	40.2337, 0.3322, 0.3024
Android (android.graphics.Color)	4291272628 (0xFFC79FB4)
YUV	173.3540, 3.2765, 22.4915
Hunter-Lab	63.4300, 13.3522, -1.0427

# Details

The XYZ color **44.1895, 40.2337, 48.6169** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.7589, 51.4331, 49.7957**, and the grayscale version is **39.8798, 41.9567, 45.6908**.

A 20% lighter version of the original color is **80.4269, 75.4093, 89.6734**, and **20.7655, 18.0674, 22.4716** is the 20% darker color. If you saturate the color by 10%, you get **40.1088, 33.5609, 42.6664**, and if you desaturate by 10%, it is **48.8891, 48.0382, 55.0987**.

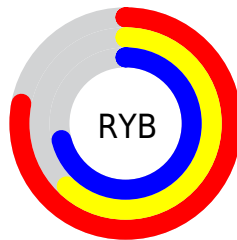
# Distribution



Red (78%)

Green (62%)

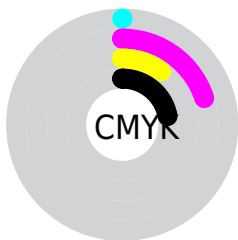
Blue (71%)



Red (78%)

Yellow (62%)

Blue (71%)

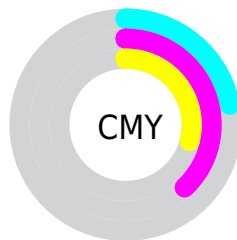


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (22%)



Cyan (22%)

Magenta (38%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1895, 40.2337, 48.6169 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 44.1895, 40.2337, 48.6169 by changing the saturation by 10% instead.





 44.1895, 40.2337,  
48.6169

 44.1895, 40.2337,  
48.6169


354.3202,  
347.1076, 397.8112

 31.0181, 27.7208,  
33.9522


 80.7474, 75.5193,  
89.4973

 20.7645, 18.1153,  
22.5798

 104.8646, 99.0607,  
116.5501

 13.0634, 11.0328,  
14.0812


133.3610,  
127.0471, 148.5693

 7.5496, 6.0889,  
8.0378

166.6022,  
159.8629, 185.9736

 3.8575, 2.8992,  
4.0310

204.9533,  
197.8924, 229.1813

 1.6218, 1.0793,  
1.6424

248.7797,

 0.4066, 0.0000,

241.5201, 278.6112

0.3208

298.4469,  
291.1304, 334.6816

■ 0.0000, 0.0000,  
0.0000

■ 44.1895, 40.2337,  
48.6169

■ 44.1895, 40.2337,  
48.6169

■ 40.1088, 33.5609,  
42.6664

■ 48.8891, 48.0382,  
55.0987

■ 36.6159, 27.9612,  
37.2291

■ 54.2300, 57.0186,  
62.1241

■ 33.6823, 23.3790,  
32.2893

■ 60.2376, 67.2233,  
69.7082

■ 31.2752, 19.7514,  
27.8293

■ 66.9350, 78.6965,  
77.8644

■ 29.3587, 17.0084,  
23.8299

■ 73.2154, 89.2230,  
86.2297

■ 27.8917, 15.0704,  
20.2702

■ 74.5586, 89.7603,  
93.3029

■ 26.8258, 13.8431,  
17.1265

■ 75.9746, 90.3267,  
100.7595

■ 26.0759, 13.1512,  
14.3857

■ 77.3633, 90.8822,  
108.0723

# Harmonies

## Analogous

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



42.4836, 40.2337, 57.0944



44.1895, 40.2337, 48.6169



44.2465, 40.2337, 39.8437

# Triad

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



44.1895, 40.2337, 48.6169



36.8306, 40.2337, 29.3917



34.1592, 40.2337, 56.6124

# Complementary

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



44.1895, 40.2337, 48.6169



42.7589, 51.4331, 49.7957

# 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.



32.8049, 40.2337, 48.0261



44.1895, 40.2337, 48.6169



34.2906, 40.2337, 32.7609

# Square

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



44.1895, 40.2337, 48.6169



39.8852, 40.2337, 29.5055



32.8517, 40.2337, 39.3265



36.6424, 40.2337, 62.1146



# Rectangle

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



44.1895, 40.2337, 48.6169



43.3346, 40.2337, 35.0276



32.8517, 40.2337, 39.3265



33.5629, 40.2337, 53.9446

# Sweetspot

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



44.1907, 40.2355, 48.6177



89.2135, 90.1644, 101.2904



40.9922, 38.3474, 59.2745



18.9649, 19.0798, 21.5077



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.



44.1907, 40.2355, 48.6177



74.2048, 65.2416, 80.5814



42.3271, 39.4901, 38.8045



10.8626, 10.7284, 12.2595



16.8118, 8.4743, 9.4850



0.8325, 0.4158, 0.6410



# Inverse Universe

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



44.1907, 40.2355, 48.6177



74.2048, 65.2416, 80.5814



44.8773, 52.2804, 60.9510



10.8626, 10.7284, 12.2595



16.8118, 8.4743, 9.4850

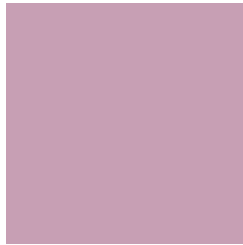


0.8325, 0.4158, 0.6410



# Previews

## White Background



This preview shows how the XYZ color 44.1895, 40.2337, 48.6169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

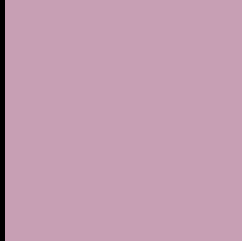
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.1895, 40.2337, 48.6169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

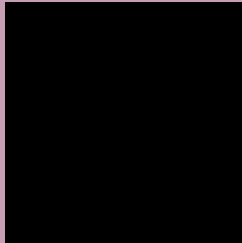
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.1895, 40.2337, 48.6169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1895, 40.2337, 48.6169.



This preview shows how white text looks on a background with the XYZ color 44.1895, 40.2337,



# 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

44.1895, 40.2337, 48.6169

### Protanopia

39.4131, 40.3561, 52.1666

### Deuteranopia

41.1203, 40.2322, 48.2461



## Tritanopia

43.4023, 40.1645, 45.0001

# Trichromacy



## Original Color

44.1895, 40.2337, 48.6169

## Protanomaly

40.9293, 40.0743, 50.9253

## Deuteranomaly

42.2201, 40.2679, 48.1951

## Tritanomaly

43.6960, 40.2820, 46.5465

# Monochromacy



## Original Color

44.1895, 40.2337, 48.6169

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

41.1305, 41.0849, 46.8367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1895, 40.2337, 48.6169 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, 159, 180)` looks like.

```
.text, #text, p{  
    color:rgb(199, 159, 180)  
}
```

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, 159, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 159, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1895, 40.2337, 48.6169 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, 159, 180) }
```



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

```
.border{ border-color:rgb(199, 159, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 159, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 159, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 159, 180);  
box-shadow:4px 4px 4px 4px rgb(199, 159,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1895, 40.2337, 48.6169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 159, 180) }
```

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

```
.background{ background-color: rgb(199,  
159, 180) }
```

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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