

# Converting Colors

XYZ(47.8428, 49.3135, 43.0733)

Have a look what the booklet for  
XYZ(47.8428, 49.3135, 43.0733)  
contains.

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# Color

**XYZ(47.8428, 49.3135,  
43.0733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8B8A6
RGB	200, 184, 166
RGB Percent	78%, 72%, 65%
CMY	0.2157, 0.2784, 0.3490
CMYK	0.00, 0.08, 0.17, 0.22
HSL	32°, 24%, 72%
HSV	32°, 17%, 78%
XYZ	47.8428, 49.3135, 43.0733
YIQ	186.7320, 15.3140, -2.2060

# Conversions

## Conversions Part 2

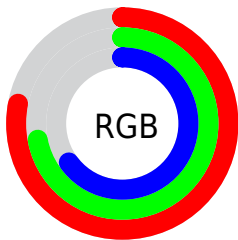
Format	Color
<a href="#">RYB</a>	<a href="#">196, 200, 166</a>
Decimal	<a href="#">13154470</a>
CIELab	<a href="#">75.65, 2.71, 11.19</a>
CIELCh	<a href="#">76, 11.516, 76.382</a>
Yxy	<a href="#">49.3135, 0.3412, 0.3517</a>
Android (android.graphics.Color)	<a href="#">4291344550</a> ( <a href="#">0xFFC8B8A6</a> )
YUV	<a href="#">186.7320, -10.2209, 11.6360</a>
Hunter-Lab	<a href="#">70.2236, -1.2805, 12.7896</a>

# Details

The XYZ color **47.8428, 49.3135, 43.0733** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.8789, 45.7319, 61.2110**, and the grayscale version is **47.1339, 49.5885, 54.0019**.

A 20% lighter version of the original color is **85.4512, 88.8006, 81.0431**, and **23.0076, 23.5585, 19.2542** is the 20% darker color. If you saturate the color by 10%, you get **44.2593, 44.8575, 33.5204**, and if you desaturate by 10%, it is **51.8443, 54.1481, 54.1744**.

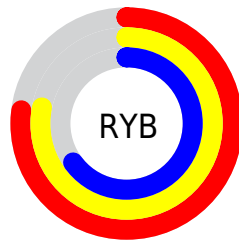
# Distribution



Red (78%)

Green (72%)

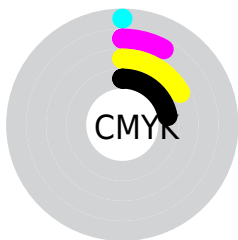
Blue (65%)



Red (77%)

Yellow (78%)

Blue (65%)

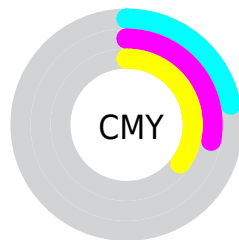


Cyan (0%)

Magenta (8%)

Yellow (17%)

Black (22%)



Cyan (22%)

Magenta (28%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8428, 49.3135, 43.0733 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 47.8428, 49.3135, 43.0733 by changing the saturation by 10% instead.





 47.8428, 49.3135,  
43.0733


 47.8428, 49.3135,  
43.0733


368.7617,  
383.9752, 374.8432

 33.9131, 34.8682,  
29.6108

 86.1814, 89.1569,  
81.1090

 22.9895, 23.5614,  
19.2938

 111.3211,  
115.3238, 106.5193

 14.7064, 15.0086,  
11.7038


140.9281,  
146.1667, 136.7493

 8.6985, 8.8254,  
6.4223

175.3679,  
182.0700, 172.2174

 4.6006, 4.6275,  
3.0306

215.0058,  
223.4182, 213.3424

 2.0472, 2.0304,  
1.1103

260.2072,

 0.6603, 0.6250,

270.5955, 260.5426

0.0000

311.3373,  
323.9863, 314.2367

■ 0.0000, 0.0000,  
0.0000

■ 47.8428, 49.3135,  
43.0733

■ 47.8428, 49.3135,  
43.0733

■ 44.2593, 44.8575,  
33.5204

■ 51.8443, 54.1481,  
54.1744

■ 41.0743, 40.7633,  
25.4424

■ 56.2746, 59.3644,  
66.8860

■ 38.2722, 37.0221,  
18.7649

■ 61.1490, 64.9741,  
81.2710

■ 35.8349, 33.6225,  
13.4055

■ 66.4808, 70.9862,  
97.3879

■ 33.7426, 30.5522,  
9.2732

■ 70.4600, 76.6804,  
105.6949

■ 31.9731, 27.7975,  
6.2652

■ 73.1656, 82.0916,  
106.5968

■ 30.5008, 25.3437,  
4.2616

■ 76.0150, 87.7904,  
107.5466

■ 29.2923, 23.1723,  
3.1012

■ 77.6295, 91.0194,  
108.0847

■ 28.9639, 22.5682,  
2.8295

# Harmonies

## Analogous

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



49.7561, 49.3135, 45.6354



47.8428, 49.3135, 43.0733



45.7243, 49.3135, 43.2000

# Triad

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



47.8428, 49.3135, 43.0733



43.0472, 49.3135, 57.0736



49.9017, 49.3135, 62.2067

# Complementary

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



47.8428, 49.3135, 43.0733



42.8789, 45.7319, 61.2110

# 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.



48.0367, 49.3135, 65.7632



47.8428, 49.3135, 43.0733



44.0997, 49.3135, 62.6495

# Square

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



47.8428, 49.3135, 43.0733



42.9988, 49.3135, 50.9770



45.9125, 49.3135, 65.9311



50.9689, 49.3135, 56.5059



# Rectangle

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



47.8428, 49.3135, 43.0733



44.4813, 49.3135, 44.7862



45.9125, 49.3135, 65.9311



49.3448, 49.3135, 63.7110

# Sweetspot

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



47.8441, 49.3157, 43.0743



91.1807, 95.4381, 97.8171



45.9445, 42.9478, 50.3599



19.4034, 20.2934, 20.6160



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.



47.8441, 49.3157, 43.0743



80.7167, 82.7749, 68.8497



51.2059, 56.2635, 44.2382



11.0910, 11.5511, 11.2078



18.5066, 14.5304, 1.8292



0.9484, 0.8322, 0.1106

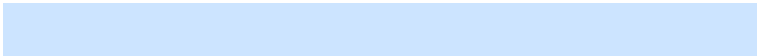


# Inverse Universe

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



42.8789, 45.7319, 61.2110



70.6936, 75.5408, 105.4626



39.9071, 39.6117, 60.1863



10.4612, 11.0965, 13.5080



9.2673, 7.9286, 35.7863



0.5112, 0.5201, 1.7186



# Previews

## White Background



This preview shows how the XYZ color 47.8428, 49.3135, 43.0733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

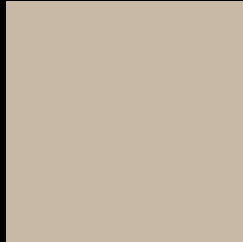
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.8428, 49.3135, 43.0733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

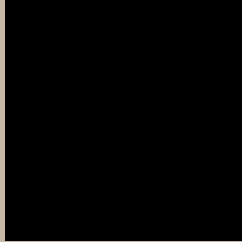
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.8428, 49.3135, 43.0733**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8428, 49.3135, 43.0733.



This preview shows how white text looks on a background with the XYZ color 47.8428, 49.3135,



# 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

47.8428, 49.3135, 43.0733

### Protanopia

46.7821, 49.3772, 43.6243

### Deuteranopia

50.4477, 49.4296, 43.4412



## Tritanopia

50.9607, 49.3749, 57.8833

# Trichromacy



## Original Color

47.8428, 49.3135, 43.0733

## Protanomaly

47.0890, 49.2237, 43.5785

## Deuteranomaly

49.5113, 49.2477, 43.4554

## Tritanomaly

49.8042, 49.2049, 52.2199

# Monochromacy



## Original Color

47.8428, 49.3135, 43.0733

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

47.4338, 49.5790, 49.7175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8428, 49.3135, 43.0733 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(200, 184, 166) looks like.

```
.text, #text, p{  
    color:rgb(200, 184, 166)  
}
```

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(200, 184, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 184, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8428, 49.3135, 43.0733 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(200, 184, 166) }
```



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

```
.border{ border-color:rgb(200, 184, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 184, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 184, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 184, 166);  
box-shadow:4px 4px 4px 4px rgb(200, 184,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8428, 49.3135, 43.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 184, 166) }
```

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

```
.background{ background-color: rgb(200,  
184, 166) }
```

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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