

# Converting Colors

XYZ(42.3158, 42.1419, 42.8887)

Have a look what the booklet for  
XYZ(42.3158, 42.1419, 42.8887)  
contains.

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# Color

**XYZ(42.2421, 42.0219,  
42.9304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDA9A8
RGB	189, 169, 168
RGB Percent	74%, 66%, 66%
CMY	0.2588, 0.3372, 0.3412
CMYK	0.00, 0.11, 0.11, 0.26
HSL	3°, 14%, 70%
HSV	3°, 11%, 74%
XYZ	42.2421, 42.0219, 42.9304
YIQ	174.8660, 12.2410, 3.9290

# Conversions

## Conversions Part 2

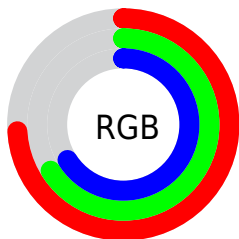
Format	Color
<a href="#">RYB</a>	<a href="#">189, 169, 168</a>
Decimal	<a href="#">12429736</a>
CIELab	<a href="#">70.89, 7.06, 3.15</a>
CIELCh	<a href="#">71, 7.730, 24.033</a>
Yxy	<a href="#">42.0219, 0.3321, 0.3304</a>
Android (android.graphics.Color)	<a href="#">4290619816</a> ( <a href="#">0xFFBDA9A8</a> )
YUV	<a href="#">174.8660, -3.3849, 12.3955</a>
Hunter-Lab	<a href="#">64.8243, 2.8752, 6.1117</a>

# Details

The XYZ color **42.2421, 42.0219, 42.9304** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.3167, 47.9644, 55.1196**, and the grayscale version is **40.6917, 42.8109, 46.6210**.

A 20% lighter version of the original color is **77.6311, 78.0515, 80.7859**, and **19.6670, 19.2178, 19.1958** is the 20% darker color. If you saturate the color by 10%, you get **37.4872, 35.1278, 33.2806**, and if you desaturate by 10%, it is **47.7162, 49.9439, 54.0835**.

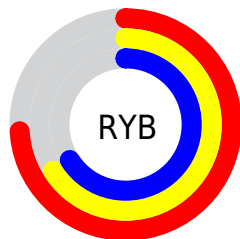
# Distribution



Red (74%)

Green (66%)

Blue (66%)



Red (74%)

Yellow (66%)

Blue (66%)

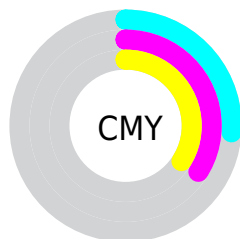


Cyan (0%)

Magenta (11%)

Yellow (11%)

Black (26%)



Cyan (26%)

Magenta (34%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2421, 42.0219, 42.9304 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 42.2421, 42.0219, 42.9304 by changing the saturation by 10% instead.





 42.2421, 42.0219,  
42.9304


 42.2421, 42.0219,  
42.9304


346.4601,  
354.5737, 374.2383

 29.4828, 29.1184,  
29.4995


 77.8288, 78.2328,  
80.8911

 19.5925, 19.1704,  
19.2102

 101.3869,  
102.3090, 106.2579

 12.2057, 11.7935,  
11.6439

129.2754,  
130.8782, 136.4405

 6.9571, 6.6032,  
6.3821

161.8595,  
164.3249, 171.8573

 3.4814, 3.2152,  
3.0063

199.5047,  
203.0334, 212.9270

 1.4132, 1.2451,  
1.0978

242.5763,

 0.2656, 0.0981,

247.3881, 260.0680

0.0000

291.4397,  
297.7734, 313.6989

■ 0.0000, 0.0000,  
0.0000

■ 42.2421, 42.0219,  
42.9304

■ 42.2421, 42.0219,  
42.9304

■ 37.4872, 35.1278,  
33.2806

■ 47.7162, 49.9439,  
54.0835

■ 33.4182, 29.2140,  
25.0674

■ 53.9339, 58.9274,  
66.7976

■ 30.0046, 24.2379,  
18.2229

■ 60.9228, 69.0118,  
81.1304

■ 27.2120, 20.1511,  
12.6727

■ 68.7082, 80.2325,  
97.1361

■ 25.0031, 16.9014,  
8.3352

■ 74.7965, 89.5589,  
107.9521

■ 23.3365, 14.4309,  
5.1199

■ 22.1652, 12.6741,  
2.9233

■ 21.4343, 11.5553,  
1.6228

■ 21.0845, 11.0150,  
1.0148

# Harmonies

## Analogous

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



42.4511, 42.0219, 46.4950



42.2421, 42.0219, 42.9304



41.4107, 42.0219, 40.2583

# Triad

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



42.2421, 42.0219, 42.9304



37.9722, 42.0219, 41.7196



39.6840, 42.0219, 53.1667

# Complementary

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



42.2421, 42.0219, 42.9304



43.3167, 47.9644, 55.1196

# 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.



38.5056, 42.0219, 51.7299



42.2421, 42.0219, 42.9304



37.5310, 42.0219, 45.0223

# Square

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



42.2421, 42.0219, 42.9304



38.9418, 42.0219, 39.5860



37.7242, 42.0219, 48.7002



40.9562, 42.0219, 52.5331



# Rectangle

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



42.2421, 42.0219, 42.9304



40.6247, 42.0219, 39.2775



37.7242, 42.0219, 48.7002



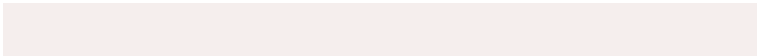
39.2641, 42.0219, 52.9076

# Sweetspot

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



42.2433, 42.0238, 42.9313



83.4576, 86.5543, 92.7785



44.0989, 42.4684, 53.6201



17.7710, 18.3583, 19.5923



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

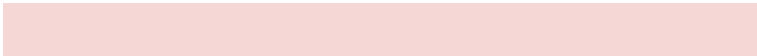


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2433, 42.0238, 42.9313



73.7661, 72.5243, 73.0455



44.2149, 45.9669, 43.5885



9.5658, 9.6075, 9.9269



14.2022, 7.4432, 0.6881



0.5690, 0.3169, 0.0312



# Inverse Universe

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



43.3167, 47.9644, 55.1196



76.0188, 84.9914, 98.6246



41.2149, 43.7608, 54.4190



9.7685, 10.7293, 12.2283



17.1737, 24.4592, 36.2089



0.6848, 0.9823, 1.4224



# Previews

## White Background



This preview shows how the XYZ color 42.2421, 42.0219, 42.9304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

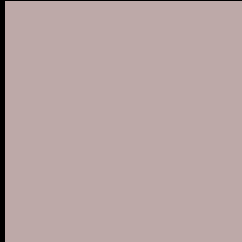
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2421, 42.0219, 42.9304 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 42.2421, 42.0219, 42.9304**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2421, 42.0219, 42.9304.



This preview shows how white text looks on a background with the XYZ color 42.2421, 42.0219,



# 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

42.2421, 42.0219, 42.9304

### Protanopia

40.3307, 42.1365, 44.0377

### Deuteranopia

42.8087, 42.0389, 42.9038



## Tritanopia

43.5428, 42.0091, 48.9936

# Trichromacy



## Original Color

42.2421, 42.0219, 42.9304

## Protanomaly

40.9700, 42.1934, 43.5209

## Deuteranomaly

42.5564, 41.9088, 42.8920

## Tritanomaly

43.0743, 42.0870, 46.9276

# Monochromacy



## Original Color

42.2421, 42.0219, 42.9304

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

41.2124, 42.5690, 45.0742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2421, 42.0219, 42.9304 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(189, 169, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 169, 168)  
}
```

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(189, 169, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 169, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2421, 42.0219, 42.9304 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(189, 169, 168) }
```



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

```
.border{ border-color:rgb(189, 169, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 169, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 169, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 169, 168);  
box-shadow:4px 4px 4px 4px rgb(189, 169,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2421, 42.0219, 42.9304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 169, 168) }
```

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

```
.background{ background-color: rgb(189,  
169, 168) }
```

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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