

# Converting Colors

XYZ(42.5226, 42.9135, 44.6780)

Have a look what the booklet for  
XYZ(42.5226, 42.9135, 44.6780)  
contains.

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# Color

**XYZ(42.5967, 43.0101,  
44.5848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBACAB
RGB	187, 172, 171
RGB Percent	73%, 67%, 67%
CMY	0.2667, 0.3255, 0.3294
CMYK	0.00, 0.08, 0.09, 0.27
HSL	4°, 11%, 70%
HSV	4°, 9%, 73%
XYZ	42.5967, 43.0101, 44.5848
YIQ	176.3710, 9.2610, 2.8690

# Conversions

## Conversions Part 2

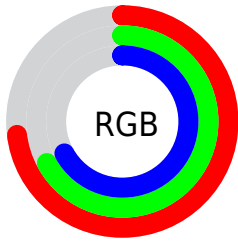
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 172, 171
Decimal	12299435
CIELab	71.56, 5.21, 2.45
CIELCh	72, 5.760, 25.206
Yxy	43.0101, 0.3272, 0.3304
Android (android.graphics.Color)	4290489515 (0xFFBBACAB)
YUV	176.3710, -2.6479, 9.3216
Hunter-Lab	65.5821, 1.1702, 5.6002

# Details

The XYZ color **42.5967, 43.0101, 44.5848** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.3230, 47.3627, 53.8727**, and the grayscale version is **41.4715, 43.6312, 47.5144**.

A 20% lighter version of the original color is **78.1587, 79.4838, 83.1740**, and **19.8778, 19.8332, 20.2333** is the 20% darker color. If you saturate the color by 10%, you get **37.8204, 36.1108, 34.8120**, and if you desaturate by 10%, it is **48.0676, 50.8941, 55.8344**.

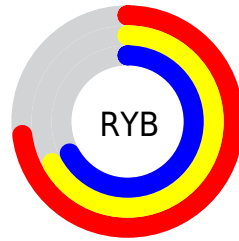
# Distribution



Red (73%)

Green (67%)

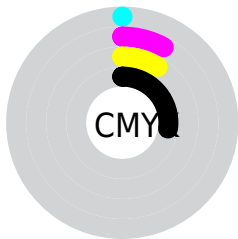
Blue (67%)



Red (73%)

Yellow (67%)

Blue (67%)

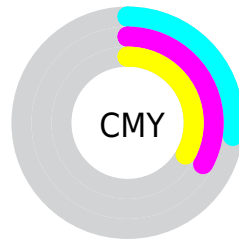


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5967, 43.0101, 44.5848 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 42.5967, 43.0101, 44.5848 by changing the saturation by 10% instead.



■ 42.5967, 43.0101,  
44.5848

■ 42.5967, 43.0101,  
44.5848

347.9003,  
358.6533, 381.2004

■ 29.7620, 29.8930,  
30.7900

■ 78.3614, 79.7261,  
83.4088

■ 19.8051, 19.7574,  
20.1818

102.0221,  
104.0938, 109.2751

■ 12.3609, 12.2188,  
12.3419

130.0222,  
132.9806, 140.0023

■ 7.0639, 6.8929,  
6.8516

162.7269,  
166.7707, 176.0089

■ 3.5488, 3.3952,  
3.2924

200.5018,  
205.8487, 217.7134

■ 1.4502, 1.3414,  
1.2458

243.7120,

■ 0.2916, 0.1729,

250.5988, 265.5345

0.0168

292.7231,  
301.4056, 319.8906

■ 0.0000, 0.0000,  
0.0000

■ 42.5967, 43.0101,  
44.5848

■ 42.5967, 43.0101,  
44.5848

■ 37.8204, 36.1108,  
34.8120

■ 48.0676, 50.8941,  
55.8344

■ 33.7075, 30.1520,  
26.4520

■ 54.2556, 59.7933,  
68.6155

■ 30.2297, 25.0947,  
19.4403

■ 61.1866, 69.7440,  
82.9836

■ 27.3553, 20.8951,  
13.7063

■ 68.8841, 80.7790,  
98.9905

■ 25.0499, 17.5056,  
9.1729

■ 74.3037, 89.3049,  
107.9291

■ 23.2756, 14.8738,  
5.7548

■ 21.9898, 12.9416,  
3.3555

■ 21.1435, 11.6420,  
1.8618

■ 20.6690, 10.8918,  
1.0905

# Harmonies

## Analogous

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



42.7734, 43.0101, 47.2801



42.5967, 43.0101, 44.5848



41.9571, 43.0101, 42.5653

# Triad

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



42.5967, 43.0101, 44.5848



39.3620, 43.0101, 43.8382



40.7236, 43.0101, 52.3778

# Complementary

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



42.5967, 43.0101, 44.5848



43.3230, 47.3627, 53.8727

# 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.



39.8211, 43.0101, 51.3719



42.5967, 43.0101, 44.5848



39.0430, 43.0101, 46.3842

# Square

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



42.5967, 43.0101, 44.5848



40.0879, 43.0101, 42.1464



39.2097, 43.0101, 49.1508



41.6821, 43.0101, 51.8498



# Rectangle

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



42.5967, 43.0101, 44.5848



41.3596, 43.0101, 41.8370



39.2097, 43.0101, 49.1508



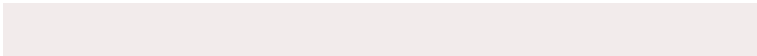
40.4038, 43.0101, 52.2067

# Sweetspot

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



42.5979, 43.0120, 44.5857



81.5306, 84.5866, 90.6137



43.9412, 43.2449, 52.5975



17.7796, 18.3755, 19.5951



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.



42.5979, 43.0120, 44.5857



74.8357, 74.9321, 76.8659



44.1256, 46.0674, 45.0950



9.5769, 9.6298, 9.9306



14.2278, 7.4945, 0.6967



0.5739, 0.3268, 0.0328



# Inverse Universe

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



43.3230, 47.3627, 53.8727



76.3612, 84.0866, 96.4071



41.7250, 44.1668, 53.3400



9.7560, 10.7043, 12.2241



16.7994, 23.7104, 36.0841



0.6737, 0.9600, 1.4187



# Previews

## White Background



This preview shows how the XYZ color 42.5967, 43.0101, 44.5848 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 42.5967, 43.0101, 44.5848 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 42.5967, 43.0101, 44.5848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5967, 43.0101, 44.5848.



This preview shows how white text looks on a background with the XYZ color 42.5967, 43.0101,



# 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

42.5967, 43.0101, 44.5848

### Protanopia

41.3668, 43.2222, 45.1922

### Deuteranopia

43.9735, 43.1591, 44.5410



## Tritanopia

43.9082, 42.9872, 50.7829

# Trichromacy



## Original Color

42.5967, 43.0101, 44.5848

## Protanomaly

41.8738, 43.1957, 45.1603

## Deuteranomaly

43.3995, 43.1425, 44.5680

## Tritanomaly

43.4386, 43.0719, 48.6721

# Monochromacy



## Original Color

42.5967, 43.0101, 44.5848

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

41.7923, 43.4192, 46.2225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5967, 43.0101, 44.5848 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(187, 172, 171)` looks like.

```
.text, #text, p{  
    color:rgb(187, 172, 171)  
}
```

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(187, 172, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 172, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5967, 43.0101, 44.5848 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(187, 172, 171) }
```



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

```
.border{ border-color:rgb(187, 172, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 172, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 172, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 172, 171);  
box-shadow:4px 4px 4px 4px rgb(187, 172,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5967, 43.0101, 44.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 172, 171) }
```

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

```
.background{ background-color: rgb(187,  
172, 171) }
```

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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