

# Converting Colors

XYZ(42.5348, 43.0998, 26.4348)

Have a look what the booklet for  
XYZ(42.5348, 43.0998, 26.4348)  
contains.

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# Color

**XYZ(42.5466, 43.1018,  
26.4991)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9AB80
RGB	201, 171, 128
RGB Percent	79%, 67%, 50%
CMY	0.2118, 0.3294, 0.4980
CMYK	0.00, 0.15, 0.36, 0.21
HSL	35°, 40%, 65%
HSV	35°, 36%, 79%
XYZ	42.5466, 43.1018, 26.4991
YIQ	175.0680, 31.6830, -7.0130

# Conversions

## Conversions Part 2

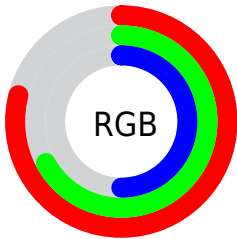
Format	Color
<a href="#">RYB</a>	<a href="#">179, 201, 128</a>
Decimal	<a href="#">13216640</a>
CIELab	<a href="#">71.62, 4.79, 26.21</a>
CIELCh	<a href="#">72, 26.642, 79.635</a>
Yxy	<a href="#">43.1018, 0.3794, 0.3843</a>
Android (android.graphics.Color)	<a href="#">4291406720</a> ( <a href="#">0xFFC9AB80</a> )
YUV	<a href="#">175.0680, -23.2045, 22.7424</a>
Hunter-Lab	<a href="#">65.6520, 0.7883, 22.0252</a>

# Details

The XYZ color **42.5466, 43.1018, 26.4991** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.6713, 33.2590, 60.0088**, and the grayscale version is **40.8885, 43.0179, 46.8465**.

A 20% lighter version of the original color is **76.7768, 78.9889, 54.9159**, and **19.8260, 19.8547, 9.9951** is the 20% darker color. If you saturate the color by 10%, you get **39.8411, 39.6024, 19.7041**, and if you desaturate by 10%, it is **45.6139, 46.9051, 34.7086**.

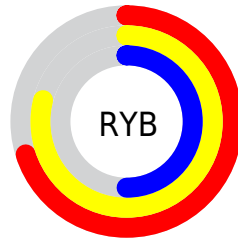
# Distribution



Red (79%)

Green (67%)

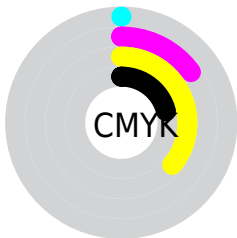
Blue (50%)



Red (70%)

Yellow (79%)

Blue (50%)

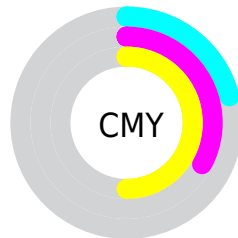


Cyan (0%)

Magenta (15%)

Yellow (36%)

Black (21%)



Cyan (21%)

Magenta (33%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5466, 43.1018, 26.4991 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 42.5466, 43.1018, 26.4991 by changing the saturation by 10% instead.



■ 42.5466, 43.1018,  
26.4991

■ 42.5466, 43.1018,  
26.4991

347.6970,  
359.0303, 298.9067

■ 29.7225, 29.9650,  
16.9683

■ 78.2862, 79.8645,  
55.0730

■ 19.7751, 19.8120,  
10.0502

■ 101.9324,  
104.2591, 74.9531

■ 12.3390, 12.2585,  
5.3262

■ 129.9167,  
133.1751, 99.1201

■ 7.0488, 6.9200,  
2.3778

162.6045,  
166.9970, 127.9924

■ 3.5392, 3.4121,  
0.7743

200.3610,  
206.1090, 161.9887

■ 1.4449, 1.3505,  
0.0000

243.5517,

■ 0.2879, 0.1798,

250.8957, 201.5275

0.0000

292.5420,  
301.7413, 247.0273

■ 0.0000, 0.0000,  
0.0000

■ 42.5466, 43.1018,  
26.4991

■ 42.5466, 43.1018,  
26.4991

■ 39.8411, 39.6024,  
19.7041

■ 45.6139, 46.9051,  
34.7086

■ 37.4768, 36.3911,  
14.2384

■ 49.0557, 51.0153,  
44.4058

■ 35.4358, 33.4593,  
10.0118


■ 52.8880, 55.4431,  
55.6617


■ 33.6967, 30.7956,  
6.9215


■ 57.1248, 60.1968,  
68.5423


■ 32.2352, 28.3871,  
4.8479


■ 61.7795, 65.2843,  
83.1095


 31.0202, 26.2182,  
3.6382

 66.8646, 70.7130,  
99.4220

 30.6142, 25.4710,  
3.3028

 70.1067, 75.5759,  
105.5003

 72.4442, 80.2510,  
106.2795

 74.8919, 85.1465,  
107.0954

# Harmonies

## Analogous

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



46.8421, 43.1018, 30.4410



42.5466, 43.1018, 26.4991



38.1223, 43.1018, 27.2150

# Triad

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



42.5466, 43.1018, 26.4991



33.3322, 43.1018, 55.7777



47.9338, 43.1018, 64.9171

# Complementary

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



42.5466, 43.1018, 26.4991



31.6713, 33.2590, 60.0088

# 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.



43.9497, 43.1018, 74.4142



42.5466, 43.1018, 26.4991



35.6049, 43.1018, 68.5038

# Square

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



42.5466, 43.1018, 26.4991



33.0172, 43.1018, 42.6037



39.4269, 43.1018, 75.8353



50.1002, 43.1018, 51.5408



# Rectangle

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



42.5466, 43.1018, 26.4991



35.6819, 43.1018, 30.2889



39.4269, 43.1018, 75.8353



46.7497, 43.1018, 68.7657

# Sweetspot

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



42.5477, 43.1038, 26.5000



87.2909, 91.1887, 85.6373



38.0144, 30.3393, 36.3891



18.4918, 19.2959, 17.7671



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.



42.5477, 43.1038, 26.5000



68.9580, 68.7875, 35.5501



47.2673, 54.9230, 28.5326



11.1444, 11.6579, 11.2256



19.3410, 16.1992, 2.1074



0.9859, 0.9072, 0.1231



# Inverse Universe

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



31.6713, 33.2590, 60.0088



47.5198, 49.3953, 101.6374



28.1071, 24.7311, 58.5506



10.4086, 10.9913, 13.4904



8.6395, 6.6728, 35.5770



0.4801, 0.4579, 1.7082



# Previews

## White Background



This preview shows how the XYZ color 42.5466, 43.1018, 26.4991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

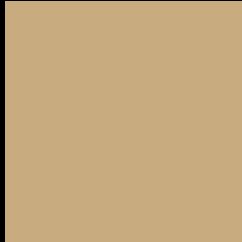
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5466, 43.1018, 26.4991 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 42.5466, 43.1018, 26.4991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5466, 43.1018, 26.4991.



This preview shows how white text looks on a background with the XYZ color 42.5466, 43.1018,



# 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

42.5466, 43.1018, 26.4991

### Protanopia

40.0983, 42.9630, 27.2984

### Deuteranopia

43.9775, 43.0001, 26.7509



## Tritanopia

46.6649, 42.8471, 47.4058

# Trichromacy



## Original Color

42.5466, 43.1018, 26.4991

## Protanomaly

41.0908, 43.1945, 26.9405

## Deuteranomaly

43.3273, 42.9400, 26.7735

## Tritanomaly

44.9786, 42.9780, 38.7258

# Monochromacy



## Original Color

42.5466, 43.1018, 26.4991

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

41.0748, 42.9311, 38.4694

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5466, 43.1018, 26.4991 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(201, 171, 128)` looks like.

```
.text, #text, p{  
    color:rgb(201, 171, 128)  
}
```

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(201, 171, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 171, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5466, 43.1018, 26.4991 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(201, 171, 128) }
```



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

```
.border{ border-color:rgb(201, 171, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 171, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 171, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 171, 128);  
box-shadow:4px 4px 4px 4px rgb(201, 171,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5466, 43.1018, 26.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 171, 128) }
```

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

```
.background{ background-color: rgb(201,  
171, 128) }
```

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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