

# Converting Colors

XYZ(42.0648, 44.8686, 26.8655)

Have a look what the booklet for  
XYZ(42.0648, 44.8686, 26.8655)  
contains.

<b>XYZ(42.0648, 44.8686, 26.8655)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(42.0648, 44.8686,  
26.8655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2B280
RGB	194, 178, 128
RGB Percent	76%, 70%, 50%
CMY	0.2392, 0.3019, 0.4980
CMYK	0.00, 0.08, 0.34, 0.24
HSL	45°, 35%, 63%
HSV	45°, 34%, 76%
XYZ	42.0648, 44.8686, 26.8655
YIQ	177.0840, 25.5860, -12.1580

# Conversions

## Conversions Part 2

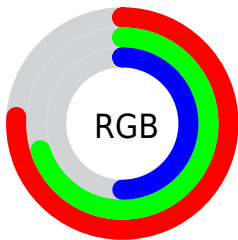
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 194, 128
Decimal	12759680
CIE <sub>Lab</sub>	72.81, -1.75, 27.67
CIE <sub>LCh</sub>	73, 27.726, 93.614
Yxy	44.8686, 0.3696, 0.3943
Android (android.graphics.Color)	4290949760 (0xFFC2B280)
YUV	177.0840, -24.1984, 14.8353
Hunter-Lab	66.9840, -5.1272, 23.1092

# Details

The XYZ color **42.0648, 44.8686, 26.8655** is a light color, and the websafe version is hex **CCCC99**, and the color name is **ecru**. A complement of this color would be **28.6127, 28.4299, 55.0185**, and the grayscale version is **41.9487, 44.1333, 48.0612**.

A 20% lighter version of the original color is **77.5470, 82.6911, 55.5899**, and **19.4835, 20.9607, 10.2267** is the 20% darker color. If you saturate the color by 10%, you get **39.9889, 42.5685, 20.4647**, and if you desaturate by 10%, it is **44.4193, 47.3347, 34.5647**.

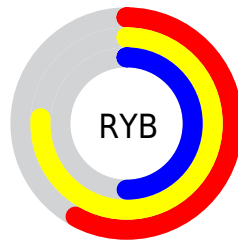
# Distribution



Red (76%)

Green (70%)

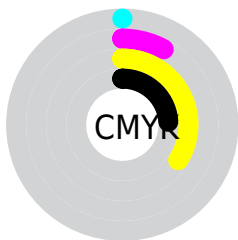
Blue (50%)



Red (58%)

Yellow (76%)

Blue (50%)

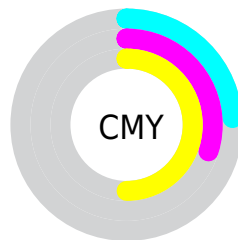


Cyan (0%)

Magenta (8%)

Yellow (34%)

Black (24%)



Cyan (24%)

Magenta (30%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0648, 44.8686, 26.8655 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 42.0648, 44.8686, 26.8655 by changing the saturation by 10% instead.





 42.0648, 44.8686,  
26.8655


 42.0648, 44.8686,  
26.8655


345.7385,  
366.2411, 300.7448


 29.3434, 31.3539,  
17.2407


 77.5622, 82.5232,  
55.6691

 19.4863, 20.8685,  
10.2425


 101.0689,  
107.4319, 75.6849

 12.1283, 13.0279,  
5.4523


 128.9015,  
136.9075, 100.0015

 6.9039, 7.4478,  
2.4517

161.4251,  
171.3342, 129.0374

 3.4479, 3.7437,  
0.8144

199.0053,  
211.0965, 163.2112

 1.3948, 1.5312,  
0.0000

242.0074,

 0.2525, 0.3106,

256.5789, 202.9413

0.0000

290.7967,  
308.1656, 248.6463

■ 0.0000, 0.0000,  
0.0000

■ 42.0648, 44.8686,  
26.8655

■ 42.0648, 44.8686,  
26.8655

■ 39.9889, 42.5685,  
20.4647

■ 44.4193, 47.3347,  
34.5647

■ 38.1738, 40.4219,  
15.2859

■ 47.0620, 49.9662,  
43.6272

■ 36.6049, 38.4241,  
11.2489

■ 50.0064, 52.7708,  
54.1170

■ 35.2648, 36.5675,  
8.2628

■ 53.2640, 55.7534,  
66.0933

■ 34.1332, 34.8436,  
6.2229

■ 56.8456, 58.9189,  
79.6118

■ 33.1857, 33.2421,  
5.0025

■ 60.7616, 62.2718,  
94.7253

■ 32.6792, 32.3314,  
4.5182

■ 63.5718, 65.2367,  
103.8491

■ 64.7565, 67.6060,  
104.2440

■ 65.9756, 70.0442,  
104.6503

# Harmonies

## Analogous

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



46.8987, 44.8686, 28.7274



42.0648, 44.8686, 26.8655



37.7191, 44.8686, 29.9176

# Triad

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



42.0648, 44.8686, 26.8655



35.3850, 44.8686, 65.0687



51.4981, 44.8686, 61.6238

# Complementary

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



42.0648, 44.8686, 26.8655



28.6127, 28.4299, 55.0185

# 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.



47.9849, 44.8686, 74.4571



42.0648, 44.8686, 26.8655



38.6590, 44.8686, 76.6947

# Square

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



42.0648, 44.8686, 26.8655



34.0501, 44.8686, 50.5463



43.2331, 44.8686, 80.4168



52.5795, 44.8686, 47.2004



# Rectangle

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



42.0648, 44.8686, 26.8655



35.6125, 44.8686, 34.7408



43.2331, 44.8686, 80.4168



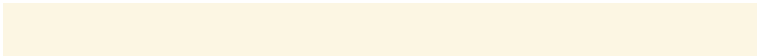
50.5500, 44.8686, 66.3503

# Sweetspot

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



42.0659, 44.8707, 26.8664



87.2583, 92.4504, 86.0672



35.0400, 28.9371, 30.3255



18.9444, 20.0880, 18.2666



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.



42.0659, 44.8707, 26.8664



73.2975, 78.0858, 39.6198



41.4339, 49.5482, 27.8026



10.6999, 11.3313, 10.6851



21.5521, 21.3900, 2.9928



0.9821, 1.0260, 0.1463



# Inverse Universe

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



28.6127, 28.4299, 55.0185



45.1686, 43.7252, 98.5290



29.0464, 25.3084, 54.3931



9.7222, 10.1356, 12.7288



7.1256, 4.0076, 33.9546



0.3638, 0.2851, 1.4857



# Previews

## White Background



This preview shows how the XYZ color 42.0648, 44.8686, 26.8655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

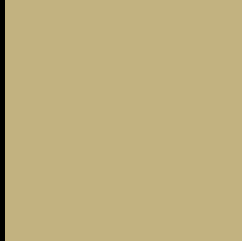
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0648, 44.8686, 26.8655 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 42.0648, 44.8686, 26.8655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0648, 44.8686, 26.8655.



This preview shows how white text looks on a background with the XYZ color 42.0648, 44.8686,



# 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

42.0648, 44.8686, 26.8655

### Protanopia

41.7546, 45.0052, 26.9082

### Deuteranopia

45.6767, 44.7078, 26.9909



## Tritanopia

47.0341, 44.8659, 51.5284

# Trichromacy



## Original Color

42.0648, 44.8686, 26.8655

## Protanomaly

42.0087, 45.1362, 26.9201

## Deuteranomaly

44.2753, 44.8362, 27.0896

## Tritanomaly

45.1256, 44.9582, 41.4214

# Monochromacy



## Original Color

42.0648, 44.8686, 26.8655

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.5086, 44.0148, 39.1088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0648, 44.8686, 26.8655 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(194, 178, 128)` looks like.

```
.text, #text, p{  
    color:rgb(194, 178, 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(194, 178, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 178, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0648, 44.8686, 26.8655 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(194, 178, 128) }
```



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

```
.border{ border-color:rgb(194, 178, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 178, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 178, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 178, 128);  
box-shadow:4px 4px 4px 4px rgb(194, 178,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0648, 44.8686, 26.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 178, 128) }
```

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

```
.background{ background-color: rgb(194,  
178, 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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