

# Converting Colors

XYZ(41.0617, 40.3836, 27.8238)

Have a look what the booklet for  
XYZ(41.0617, 40.3836, 27.8238)  
contains.

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# Color

**XYZ(41.0623, 40.3865,  
27.8215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7A485
RGB	199, 164, 133
RGB Percent	78%, 64%, 52%
CMY	0.2196, 0.3568, 0.4784
CMYK	0.00, 0.18, 0.33, 0.22
HSL	28°, 37%, 65%
HSV	28°, 33%, 78%
XYZ	41.0623, 40.3865, 27.8215
YIQ	170.9310, 30.8110, -2.2210

# Conversions

## Conversions Part 2

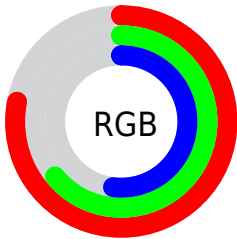
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 191, 133
Decimal	13083781
CIE Lab	69.74, 8.40, 20.92
CIE LCh	70, 22.544, 68.133
Yxy	40.3865, 0.3758, 0.3696
Android (android.graphics.Color)	4291273861 (0xFFC7A485)
YUV	170.9310, -18.7000, 24.6165
Hunter-Lab	63.5504, 4.1224, 18.5289

# Details

The XYZ color **41.0623, 40.3865, 27.8215** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.9839, 37.1142, 59.4055**, and the grayscale version is **38.7550, 40.7733, 44.4021**.

A 20% lighter version of the original color is **75.4344, 75.4682, 57.0454**, and **18.8571, 18.1422, 10.6915** is the 20% darker color. If you saturate the color by 10%, you get **38.0052, 36.2678, 20.6501**, and if you desaturate by 10%, it is **44.5387, 44.9265, 36.4186**.

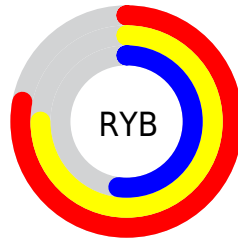
# Distribution



Red (78%)

Green (64%)

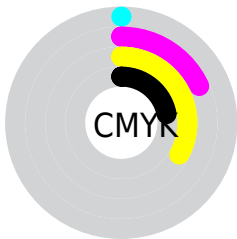
Blue (52%)



Red (78%)

Yellow (75%)

Blue (52%)

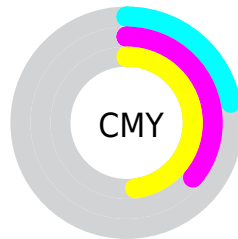


Cyan (0%)

Magenta (18%)

Yellow (33%)

Black (22%)



Cyan (22%)

Magenta (36%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0623, 40.3865, 27.8215 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 41.0623, 40.3865, 27.8215 by changing the saturation by 10% instead.




 41.0623, 40.3865,  
27.8215


 41.0623, 40.3865,  
27.8215


341.6391,  
347.7499, 305.4980


 28.5557, 27.8400,  
17.9533


 76.0526, 75.7517,  
57.2190

 18.8875, 18.2051,  
10.7474


 99.2669, 99.3392,  
77.5854

 11.6926, 11.0973,  
5.7852


 126.7812,  
127.3759, 102.2882

 6.6054, 6.1323,  
2.6482

158.9607,  
160.2460, 131.7460

 3.2607, 2.9257,  
0.9172

196.1710,  
198.3341, 166.3773

 1.2931, 1.0931,  
0.0000

238.7772,

 0.1780, 0.0000,

242.0246, 206.6008

0.0000

287.1448,  
291.7017, 252.8348

■ 0.0000, 0.0000,  
0.0000

■ 41.0623, 40.3865,  
27.8215

■ 41.0623, 40.3865,  
27.8215

■ 38.0052, 36.2678,  
20.6501

■ 44.5387, 44.9265,  
36.4186

■ 35.3456, 32.5514,  
14.8229

■ 48.4486, 49.8950,  
46.5117

■ 33.0646, 29.2248,  
10.2541


■ 52.8090, 55.3059,  
58.1695


■ 31.1399, 26.2724,  
6.8466


■ 57.6354, 61.1709,  
71.4554


■ 29.5462, 23.6775,  
4.4889

■ 62.9421, 67.5010,  
86.4296


 28.2539, 21.4209,  
3.0469

 68.7431, 74.3069,  
103.1490

 27.5101, 20.0558,  
2.4212

 72.1392, 80.4340,  
106.3309

 75.2996, 86.7550,  
107.3844

 77.3632, 90.8821,  
108.0723

# Harmonies

## Analogous

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



44.1808, 40.3865, 32.6846



41.0623, 40.3865, 27.8215



37.4009, 40.3865, 26.9140

# Triad

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



41.0623, 40.3865, 27.8215



31.8438, 40.3865, 46.8820



42.8891, 40.3865, 61.7720

# Complementary

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



41.0623, 40.3865, 27.8215



33.9839, 37.1142, 59.4055

# 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.



39.3886, 40.3865, 67.0470



41.0623, 40.3865, 27.8215



33.1217, 40.3865, 57.6030

# Square

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



41.0623, 40.3865, 27.8215



32.2292, 40.3865, 36.8988



35.8289, 40.3865, 65.4111



45.2812, 40.3865, 51.9004



# Rectangle

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



41.0623, 40.3865, 27.8215



35.1683, 40.3865, 28.5121



35.8289, 40.3865, 65.4111



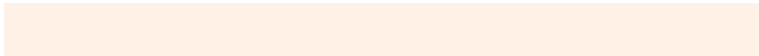
41.7945, 40.3865, 64.2075

# Sweetspot

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



41.0633, 40.3884, 27.8223



87.0500, 90.1396, 87.3060



39.0276, 31.7523, 41.2158



18.4059, 19.0109, 18.0871



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.



41.0633, 40.3884, 27.8223



67.8568, 65.2939, 39.1635



47.7079, 53.6774, 30.0372



11.0378, 11.4447, 11.1901



17.7757, 13.0687, 1.5856



0.9140, 0.7635, 0.0992

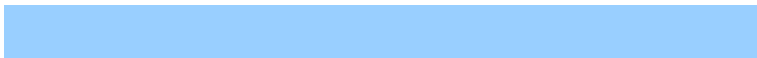


# Inverse Universe

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



33.9839, 37.1142, 59.4055



53.5201, 58.6588, 103.1092



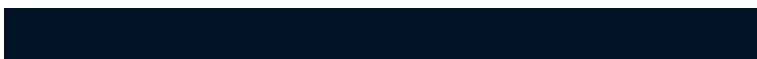
28.6740, 26.4944, 57.6356



10.5144, 11.2029, 13.5257



9.9995, 9.3928, 36.0303



0.5456, 0.5889, 1.7301



# Previews

## White Background



This preview shows how the XYZ color 41.0623, 40.3865, 27.8215 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 41.0623, 40.3865, 27.8215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

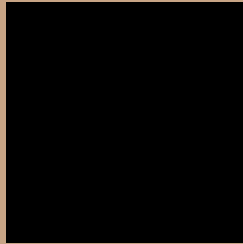
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.0623, 40.3865, 27.8215**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0623, 40.3865, 27.8215.



This preview shows how white text looks on a background with the XYZ color 41.0623, 40.3865,



# 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

41.0623, 40.3865, 27.8215

### Protanopia

37.8747, 40.3508, 29.0848

### Deuteranopia

41.3285, 40.5237, 27.8339



## Tritanopia

44.3774, 40.4331, 43.9935

# Trichromacy



## Original Color

41.0623, 40.3865, 27.8215

## Protanomaly

39.1148, 40.4459, 28.6669

## Deuteranomaly

41.3285, 40.5237, 27.8339

## Tritanomaly

43.1878, 40.4806, 37.4356

# Monochromacy



## Original Color

41.0623, 40.3865, 27.8215

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.1445, 40.2633, 37.6068

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0623, 40.3865, 27.8215 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(199, 164, 133)` looks like.

```
.text, #text, p{  
    color:rgb(199, 164, 133)  
}
```

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(199, 164, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 164, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0623, 40.3865, 27.8215 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(199, 164, 133) }
```



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

```
.border{ border-color:rgb(199, 164, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 164, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 164, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 164, 133); box-shadow:4px 4px 4px 4px rgb(199, 164, 133) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0623, 40.3865, 27.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 164, 133) }
```

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

```
.background{ background-color: rgb(199,  
164, 133) }
```

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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