

# Converting Colors

XYZ(42.8000, 41.9754, 20.8852)

Have a look what the booklet for  
XYZ(42.8000, 41.9754, 20.8852)  
contains.

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# Color

**XYZ(42.8000, 41.9754,  
20.8852)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1A66F
RGB	209, 166, 111
RGB Percent	82%, 65%, 44%
CMY	0.1804, 0.3490, 0.5647
CMYK	0.00, 0.21, 0.47, 0.18
HSL	34°, 52%, 63%
HSV	34°, 47%, 82%
XYZ	42.8000, 41.9754, 20.8852
YIQ	172.5870, 43.2830, -7.9890

# Conversions

## Conversions Part 2

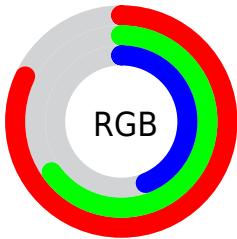
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 209, 111
Decimal	13739631
CIELab	70.85, 8.87, 34.41
CIELCh	71, 35.531, 75.543
Yxy	41.9754, 0.4051, 0.3973
Android (android.graphics.Color)	4291929711 (0xFFD1A66F)
YUV	172.5870, -30.3624, 31.9342
Hunter-Lab	64.7884, 4.5395, 26.2392

# Details

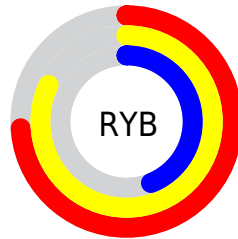
The XYZ color **42.8000, 41.9754, 20.8852** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6194, 31.0932, 64.7621**, and the grayscale version is **39.6453, 41.7099, 45.4221**.

A 20% lighter version of the original color is **73.7073, 75.6172, 45.3611**, and **19.8357, 19.0578, 7.1905** is the 20% darker color. If you saturate the color by 10%, you get **40.1735, 38.3536, 14.9812**, and if you desaturate by 10%, it is **45.8167, 45.9466, 28.2484**.

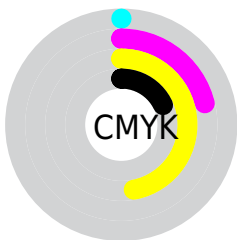
# Distribution



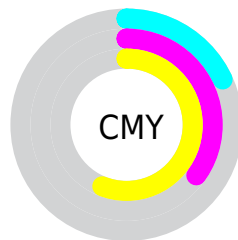
- Red (82%)
- Green (65%)
- Blue (44%)



- Red (74%)
- Yellow (82%)
- Blue (44%)



- Cyan (0%)
- Magenta (21%)
- Yellow (47%)
- Black (18%)



- Cyan (18%)
- Magenta (35%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8000, 41.9754, 20.8852 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 42.8000, 41.9754, 20.8852 by changing the saturation by 10% instead.



42.8000, 41.9754,  
20.8852

42.8000, 41.9754,  
20.8852

348.7241,  
354.3809, 269.4287

29.9221, 29.0820,  
12.8497

78.6666, 78.1624,  
45.7747

19.9272, 19.1429,  
7.1956

102.3859,  
102.2248, 63.4658

12.4501, 11.7736,  
3.5044

130.4497,  
130.7790, 85.2125

7.1254, 6.5897,  
1.3576

163.2235,  
164.2094, 111.4333

3.5877, 3.2068,  
0.1083

201.0724,  
202.9004, 142.5468

1.4716, 1.2407,  
0.0000

244.3619,

0.3064, 0.0945,

247.2364, 178.9715

0.0000

293.4574,  
297.6018, 221.1260

■ 0.0000, 0.0000,  
0.0000

■ 42.8000, 41.9754,  
20.8852

■ 42.8000, 41.9754,  
20.8852

■ 40.1735, 38.3536,  
14.9812

■ 45.8167, 45.9466,  
28.2484

■ 37.9126, 35.0628,  
10.4327

■ 49.2400, 50.2728,  
37.1596

■ 35.9942, 32.0911,  
7.1262


■ 53.0892, 54.9671,  
47.7038


■ 34.3905, 29.4232,  
4.9281


■ 57.3810, 60.0398,  
59.9586


■ 33.0656, 27.0405,  
3.6633


■ 62.1315, 65.5008,  
73.9968

 32.6914, 26.3492,  
3.3629

 67.3556, 71.3594,  
89.8871

 72.6947, 77.4756,  
105.7306

 75.3168, 82.7199,  
106.6047

 78.0752, 88.2368,  
107.5241

# Harmonies

## Analogous

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



48.3928, 41.9754, 26.1937



42.8000, 41.9754, 20.8852



36.9292, 41.9754, 20.9800

# Triad

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



42.8000, 41.9754, 20.8852



29.9225, 41.9754, 54.9876



48.5661, 41.9754, 72.4851

# Complementary

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



42.8000, 41.9754, 20.8852



29.6194, 31.0932, 64.7621

# 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.



43.0183, 41.9754, 84.7576



42.8000, 41.9754, 20.8852



32.4576, 41.9754, 73.0797

# Square

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



42.8000, 41.9754, 20.8852



29.8765, 41.9754, 38.0538



37.1271, 41.9754, 84.9988



51.9380, 41.9754, 54.3165



# Rectangle

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



42.8000, 41.9754, 20.8852



33.6506, 41.9754, 24.0146



37.1271, 41.9754, 84.9988



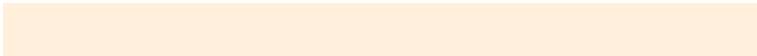
46.8708, 41.9754, 77.6146

# Sweetspot

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



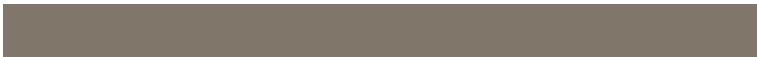
42.8010, 41.9774, 20.8860



85.0311, 88.3210, 79.7911



37.9040, 27.2945, 34.3255



17.8968, 18.5421, 16.2237



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.



42.8010, 41.9774, 20.8860



63.1022, 60.2872, 23.6984



50.5991, 59.6002, 23.8766



12.3513, 12.8932, 12.4497



20.2563, 16.4456, 2.1067



1.2109, 1.0761, 0.1439

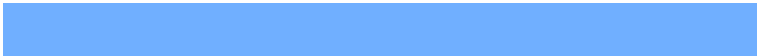


# Inverse Universe

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



29.6194, 31.0932, 64.7621



40.0585, 41.2797, 100.4642



24.3827, 19.6790, 62.8350



11.5843, 12.2589, 14.9993



9.5339, 7.7143, 38.1790



0.6114, 0.5881, 2.1609



# Previews

## White Background



This preview shows how the XYZ color 42.8000, 41.9754, 20.8852 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 42.8000, 41.9754, 20.8852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

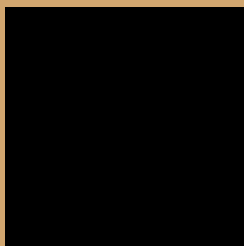
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.8000, 41.9754, 20.8852**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8000, 41.9754, 20.8852.



This preview shows how white text looks on a background with the XYZ color 42.8000, 41.9754,



# 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

42.8000, 41.9754, 20.8852

### Protanopia

39.1596, 42.3058, 22.0215

### Deuteranopia

42.8000, 41.9754, 20.8852



## Tritanopia

47.7732, 42.1836, 44.1524

# Trichromacy



## Original Color

42.8000, 41.9754, 20.8852

## Protanomaly

40.3085, 42.0538, 21.6155

## Deuteranomaly

42.8000, 41.9754, 20.8852

## Tritanomaly

45.7857, 42.1567, 34.1577

# Monochromacy



## Original Color

42.8000, 41.9754, 20.8852

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.1294, 41.3906, 34.7283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8000, 41.9754, 20.8852 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(209, 166, 111)` looks like.

```
.text, #text, p{  
    color:rgb(209, 166, 111)  
}
```

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(209, 166, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 166, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8000, 41.9754, 20.8852 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(209, 166, 111) }
```



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

```
.border{ border-color:rgb(209, 166, 111) }
```

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

Here you see how a box with a 4 pixel rgb(209, 166, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 166, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 166, 111);  
box-shadow:4px 4px 4px 4px rgb(209, 166,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8000, 41.9754, 20.8852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 166, 111) }
```

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

```
.background{ background-color: rgb(209,  
166, 111) }
```

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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