

# Converting Colors

XYZ(47.9084, 47.8750, 27.4853)

Have a look what the booklet for  
XYZ(47.9084, 47.8750, 27.4853)  
contains.

<b>XYZ(47.9072, 47.8728, 27.4843)</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(47.9072, 47.8728,  
27.4843)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7B281
RGB	215, 178, 129
RGB Percent	84%, 70%, 51%
CMY	0.1569, 0.3019, 0.4941
CMYK	0.00, 0.17, 0.40, 0.16
HSL	34°, 52%, 67%
HSV	34°, 40%, 84%
XYZ	47.9072, 47.8728, 27.4843
YIQ	183.4770, 37.7810, -7.3950

# Conversions

## Conversions Part 2

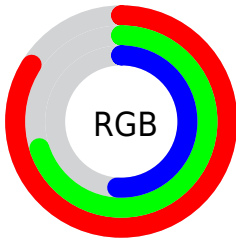
Format	Color
<a href="#">RYB</a>	<a href="#">194, 215, 129</a>
Decimal	<a href="#">14135937</a>
CIELab	<a href="#">74.74, 6.77, 30.06</a>
CIElCh	<a href="#">75, 30.813, 77.299</a>
Yxy	<a href="#">47.8728, 0.3887, 0.3884</a>
Android (android.graphics.Color)	<a href="#">4292326017 (0xFFD7B281)</a>
YUV	<a href="#">183.4770, -26.8572, 27.6457</a>
Hunter-Lab	<a href="#">69.1902, 2.5104, 24.8815</a>

# Details

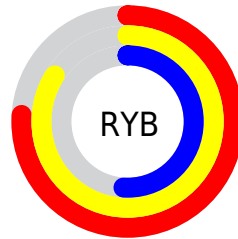
The XYZ color **47.9072, 47.8728, 27.4843** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.9549, 36.8448, 69.5595**, and the grayscale version is **45.4013, 47.7657, 52.0168**.

A 20% lighter version of the original color is **79.1063, 83.4830, 56.2005**, and **23.0430, 22.6027, 10.5454** is the 20% darker color. If you saturate the color by 10%, you get **44.8474, 43.8046, 20.1402**, and if you desaturate by 10%, it is **51.3942, 52.3139, 36.4553**.

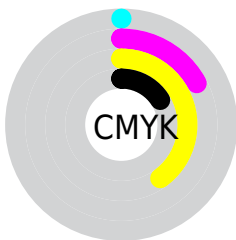
# Distribution



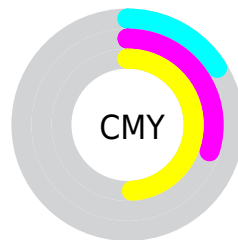
- Red (84%)
- Green (70%)
- Blue (51%)



- Red (76%)
- Yellow (84%)
- Blue (51%)



- Cyan (0%)
- Magenta (17%)
- Yellow (40%)
- Black (16%)




- Cyan (16%)
- Magenta (30%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9072, 47.8728, 27.4843 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 47.9072, 47.8728, 27.4843 by changing the saturation by 10% instead.





 47.9072, 47.8728,  
27.4843


 47.9072, 47.8728,  
27.4843


369.0129,  
378.2877, 303.8285


 33.9643, 33.7262,  
17.7016


 86.2767, 87.0150,  
56.6732

 23.0290, 22.6833,  
10.5688


 111.4342,  
112.7793, 76.9165

 14.7357, 14.3598,  
5.6672


 141.0605,  
143.1850, 101.4838

 8.7192, 8.3714,  
2.5783

175.5210,  
178.6165, 130.7935

 4.6141, 4.3335,  
0.8812

215.1812,  
219.4581, 165.2644

 2.0551, 1.8618,  
0.0000

260.4063,

 0.6646, 0.5253,

266.0942, 205.3148

0.0000

311.5618,  
318.9093, 251.3633

■ 0.0000, 0.0000,  
0.0000

■ 47.9072, 47.8728,  
27.4843

■ 47.9072, 47.8728,  
27.4843

■ 44.8474, 43.8046,  
20.1402

■ 51.3942, 52.3139,  
36.4553

■ 42.1898, 40.0902,  
14.3190

■ 55.3245, 57.1329,  
47.1425

■ 39.9118, 36.7184,  
9.9095


■ 59.7177, 62.3431,  
59.6320

■ 37.9868, 33.6742,  
6.7833


■ 64.5910, 67.9548,  
74.0035

■ 36.3833, 30.9409,  
4.7887


■ 69.9606, 73.9781,  
90.3316

 35.0470, 28.4923,  
3.6524

 75.3546, 80.2276,  
106.1216

 35.0469, 28.4921,  
3.6524

 78.0494, 85.6172,  
107.0199

 80.8836, 91.2856,  
107.9646

 81.8344, 93.1871,  
108.2815

# Harmonies

## Analogous

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



53.1909, 47.8728, 32.6103



47.9072, 47.8728, 27.4843



42.3784, 47.8728, 27.9037

# Triad

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



47.9072, 47.8728, 27.4843



35.9875, 47.8728, 61.8297



53.8707, 47.8728, 75.9249

# Complementary

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



47.9072, 47.8728, 27.4843



34.9549, 36.8448, 69.5595

# 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.



48.7747, 47.8728, 87.4049



47.9072, 47.8728, 27.4843



38.5916, 47.8728, 78.1918

# Square

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



47.9072, 47.8728, 27.4843



35.7969, 47.8728, 45.6430



43.1780, 47.8728, 88.3104



56.8188, 47.8728, 59.1941



# Rectangle

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



47.9072, 47.8728, 27.4843



39.2915, 47.8728, 31.2643



43.1780, 47.8728, 88.3104



52.3339, 47.8728, 80.6625

# Sweetspot

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



47.9084, 47.8750, 27.4853



86.4524, 90.0705, 83.6346



42.7824, 32.9111, 40.3029



18.3175, 19.0587, 17.3654



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.



47.9084, 47.8750, 27.4853



66.6479, 65.3460, 31.1460



54.6331, 63.7802, 30.2009



13.0047, 13.5836, 13.0972



21.0694, 17.2560, 2.2203



1.3523, 1.2038, 0.1611

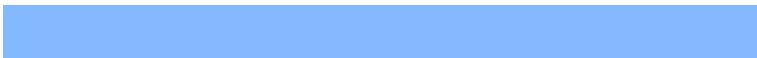


# Inverse Universe

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



34.9549, 36.8448, 69.5595



45.0620, 46.9784, 101.3004



30.0653, 25.7362, 67.6730



12.1775, 12.8785, 15.7815



9.7517, 7.7651, 39.4380



0.6695, 0.6309, 2.4058



# Previews

## White Background



This preview shows how the XYZ color 47.9072, 47.8728, 27.4843 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 47.9072, 47.8728, 27.4843 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 47.9072, 47.8728, 27.4843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9072, 47.8728, 27.4843.



This preview shows how white text looks on a background with the XYZ color 47.9072, 47.8728,



# 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

47.9072, 47.8728, 27.4843

### Protanopia

44.5941, 47.9527, 28.7352

### Deuteranopia

48.7012, 47.6957, 27.4082



## Tritanopia

53.0334, 47.9587, 51.8092

# Trichromacy



## Original Color

47.9072, 47.8728, 27.4843

## Protanomaly

45.7265, 47.9320, 28.3145

## Deuteranomaly

48.5980, 47.9347, 27.4598

## Tritanomaly

51.0503, 48.0125, 41.6987

# Monochromacy



## Original Color

47.9072, 47.8728, 27.4843

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.6404, 47.2942, 41.3735

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9072, 47.8728, 27.4843 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(215, 178, 129)` looks like.

```
.text, #text, p{  
    color:rgb(215, 178, 129)  
}
```

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(215, 178, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 178, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9072, 47.8728, 27.4843 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(215, 178, 129) }
```



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

```
.border{ border-color:rgb(215, 178, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 178, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 178, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 178, 129); box-shadow:4px 4px 4px 4px rgb(215, 178, 129) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9072, 47.8728, 27.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 178, 129) }
```

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

```
.background{ background-color: rgb(215,  
178, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor