

# Converting Colors

XYZ(49.4904, 49.5927, 22.9135)

Have a look what the booklet for  
XYZ(49.4904, 49.5927, 22.9135)  
contains.

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# **Color**

**XYZ(49.6853, 49.7922,  
22.9118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEB572
RGB	222, 181, 114
RGB Percent	87%, 71%, 45%
CMY	0.1294, 0.2902, 0.5529
CMYK	0.00, 0.18, 0.49, 0.13
HSL	37°, 62%, 66%
HSV	37°, 49%, 87%
XYZ	49.6853, 49.7922, 22.9118
YIQ	185.6210, 45.9430, -12.1450

# Conversions

## Conversions Part 2

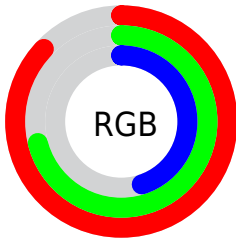
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	180, 222, 114
Decimal	14595442
CIE Lab	75.94, 6.48, 39.56
CIE LCh	76, 40.088, 80.699
Yxy	49.7922, 0.4060, 0.4068
Android (android.graphics.Color)	4292785522 (0xFFDEB572)
YUV	185.6210, -35.3092, 31.9044
Hunter-Lab	70.5636, 2.1993, 30.1432

# Details

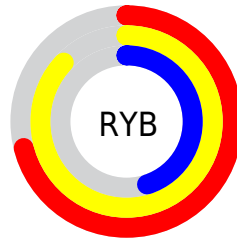
The XYZ color **49.6853, 49.7922, 22.9118** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.8452, 32.2928, 73.6617**, and the grayscale version is **46.6343, 49.0629, 53.4295**.

A 20% lighter version of the original color is **78.4992, 84.6184, 48.7548**, and **24.1616, 23.8078, 8.1724** is the 20% darker color. If you saturate the color by 10%, you get **46.9102, 46.0247, 16.4912**, and if you desaturate by 10%, it is **52.8732, 53.8944, 30.9839**.

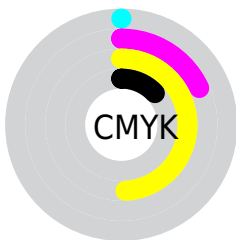
# Distribution



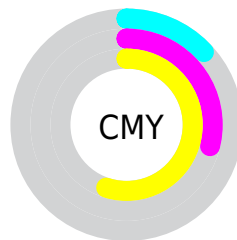
- Red (87%)
- Green (71%)
- Blue (45%)



- Red (71%)
- Yellow (87%)
- Blue (45%)



- Cyan (0%)
- Magenta (18%)
- Yellow (49%)
- Black (13%)



- Cyan (13%)
- Magenta (29%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6853, 49.7922, 22.9118 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 49.6853, 49.7922, 22.9118 by changing the saturation by 10% instead.



49.6853, 49.7922,  
22.9118

49.6853, 49.7922,  
22.9118

375.9064,  
385.8528, 280.3789

35.3802, 35.2483,  
14.3237

88.9030, 89.8669,  
49.1698

24.1238, 23.8542,  
8.2048

114.5464,  
116.1665, 67.6768

15.5507, 15.2255,  
4.1366

144.6998,  
147.1535, 90.3272

9.2956, 8.9778,  
1.7006

179.7288,  
183.2123, 117.5395

4.9931, 4.7267,  
0.3611

219.9985,  
224.7272, 149.7323

2.2780, 2.0878,  
0.0000

265.8745,

0.7833, 0.6578,

272.0826, 187.3241

0.0000

317.7220,  
325.6630, 230.7335

■ 0.0000, 0.0000,  
0.0000

■ 49.6853, 49.7922,  
22.9118

■ 49.6853, 49.7922,  
22.9118

■ 46.9102, 46.0247,  
16.4912

■ 52.8732, 53.8944,  
30.9839

■ 44.5198, 42.5722,  
11.5996

■ 56.4922, 58.3358,  
40.8120

■ 42.4878, 39.4230,  
8.1021


■ 60.5640, 63.1298,  
52.4955


■ 40.7820, 36.5611,  
5.8387


■ 65.1073, 68.2865,  
66.1254


■ 39.3547, 33.9644,  
4.5678


■ 70.1399, 73.8157,  
81.7867

 39.1742, 33.6298,  
4.4265

 75.6784, 79.7266,  
99.5593

 79.3320, 85.0654,  
106.8458

 81.8706, 90.1425,  
107.6919

 83.9341, 94.2695,  
108.3798

# Harmonies

## Analogous

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



57.0180, 49.7922, 28.2088



49.6853, 49.7922, 22.9118



42.4289, 49.7922, 24.1232

# Triad

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



49.6853, 49.7922, 22.9118



35.1223, 49.7922, 70.0919



59.3324, 49.7922, 84.6635

# Complementary

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



49.6853, 49.7922, 22.9118



31.8452, 32.2928, 73.6617

# 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.



52.5861, 49.7922, 102.5117



49.6853, 49.7922, 22.9118



38.7996, 49.7922, 92.6792

# Square

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



49.6853, 49.7922, 22.9118



34.5206, 49.7922, 47.8356



45.0426, 49.7922, 105.7788



62.9611, 49.7922, 61.1383



# Rectangle

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



49.6853, 49.7922, 22.9118



38.5649, 49.7922, 28.6283



45.0426, 49.7922, 105.7788



57.3226, 49.7922, 91.7597

# Sweetspot

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



49.6865, 49.7946, 22.9128



85.0338, 88.8605, 78.1453



42.0918, 29.9447, 34.7487



17.9255, 18.7046, 15.9092



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.



49.6865, 49.7946, 22.9128



64.2903, 63.1060, 22.7297



55.5664, 67.0710, 25.9376



14.4119, 15.1098, 14.4637



23.3792, 20.1963, 2.6661



1.7060, 1.5709, 0.2133

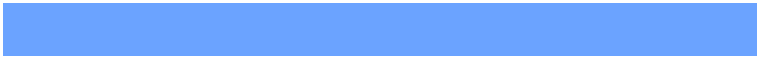


# Inverse Universe

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



31.8452, 32.2928, 73.6617



37.2653, 36.6318, 99.7143



27.8955, 21.7905, 71.8427



13.3763, 14.0917, 17.4027



9.8261, 7.1217, 41.9051



0.7655, 0.6625, 2.9328



# Previews

## White Background



This preview shows how the XYZ color 49.6853, 49.7922, 22.9118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

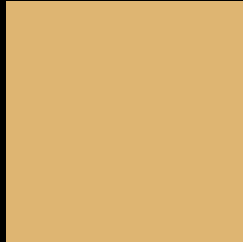
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6853, 49.7922, 22.9118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

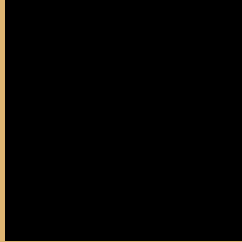
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.6853, 49.7922, 22.9118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6853, 49.7922, 22.9118.



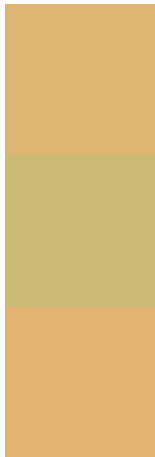
This preview shows how white text looks on a background with the XYZ color 49.6853, 49.7922,

22.9118.

# 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

49.6853, 49.7922, 22.9118

### Protanopia

45.8245, 49.6390, 23.6891

### Deuteranopia

50.8359, 49.7860, 22.8499



## Tritanopia

55.9285, 49.7082, 53.1013

# Trichromacy



## Original Color

49.6853, 49.7922, 22.9118

## Protanomaly

47.3074, 49.7846, 23.3357

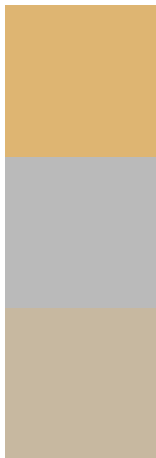
## Deuteranomaly

50.4099, 49.8650, 22.8876

## Tritanomaly

53.0392, 49.3668, 39.9910

# Monochromacy



## Original Color

49.6853, 49.7922, 22.9118

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.0388, 48.9612, 40.2289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6853, 49.7922, 22.9118 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(222, 181, 114)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 114)  
}
```

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(222, 181, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6853, 49.7922, 22.9118 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(222, 181, 114) }
```



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

```
.border{ border-color:rgb(222, 181, 114) }
```

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

Here you see how a box with a 4 pixel rgb(222, 181, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 114);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6853, 49.7922, 22.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 114) }
```

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

```
.background{ background-color: rgb(222,  
181, 114) }
```

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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