

# Converting Colors

XYZ(41.1804, 43.0418, 22.9671)

Have a look what the booklet for  
XYZ(41.1804, 43.0418, 22.9671)  
contains.

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# **Color**

**XYZ(41.1804, 43.0418,  
22.9671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5AD75
RGB	197, 173, 117
RGB Percent	77%, 68%, 46%
CMY	0.2275, 0.3215, 0.5412
CMYK	0.00, 0.12, 0.41, 0.23
HSL	42°, 41%, 62%
HSV	42°, 41%, 77%
XYZ	41.1804, 43.0418, 22.9671
YIQ	173.7920, 32.2800, -12.3280

# Conversions

## Conversions Part 2

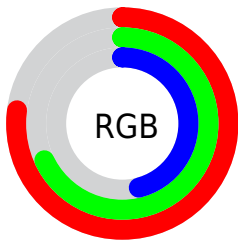
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 197, 117
Decimal	12954997
CIELab	71.58, 0.83, 31.95
CIElCh	72, 31.962, 88.512
Yxy	43.0418, 0.3842, 0.4015
Android (android.graphics.Color)	4291145077 (0xFFC5AD75)
YUV	173.7920, -27.9985, 20.3534
Hunter-Lab	65.6062, -2.7682, 25.1684

# Details

The XYZ color **41.1804, 43.0418, 22.9671** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.9388, 26.8620, 56.5883**, and the grayscale version is **40.2538, 42.3501, 46.1193**.

A 20% lighter version of the original color is **76.2391, 79.6491, 49.3858**, and **19.0361, 19.8429, 8.2956** is the 20% darker color. If you saturate the color by 10%, you get **39.0341, 40.4117, 17.1261**, and if you desaturate by 10%, it is **43.6228, 45.8736, 30.1103**.

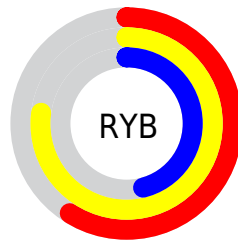
# Distribution



Red (77%)

Green (68%)

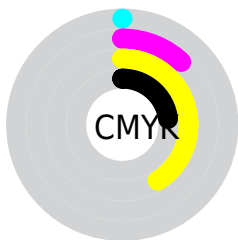
Blue (46%)



Red (59%)

Yellow (77%)

Blue (46%)

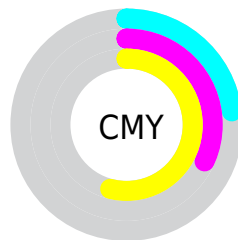


Cyan (0%)

Magenta (12%)

Yellow (41%)

Black (23%)



Cyan (23%)

Magenta (32%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1804, 43.0418, 22.9671 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 41.1804, 43.0418, 22.9671 by changing the saturation by 10% instead.





 41.1804, 43.0418,  
22.9671


 41.1804, 43.0418,  
22.9671


342.1237,  
358.7836, 280.6724


 28.6484, 29.9179,  
14.3641


 76.2306, 79.7739,  
49.2618

 18.9579, 19.7763,  
8.2327


 99.4796, 104.1510,  
67.7906

 11.7437, 12.2325,  
4.1543


 127.0315,  
133.0478, 90.4652

 6.6404, 6.9022,  
1.7104

159.2518,  
166.8490, 117.7040

 3.2825, 3.4010,  
0.3678

196.5058,  
205.9387, 149.9256

 1.3049, 1.3445,  
0.0000

239.1589,

 0.1869, 0.1753,

250.7015, 187.5485

0.0000

287.5764,  
301.5216, 230.9912

■ 0.0000, 0.0000,  
0.0000

■ 41.1804, 43.0418,  
22.9671

■ 41.1804, 43.0418,  
22.9671

■ 39.0341, 40.4117,  
17.1261

■ 43.6228, 45.8736,  
30.1103

■ 37.1645, 37.9700,  
12.5033

■ 46.3727, 48.9081,  
38.6273

■ 35.5549, 35.7103,  
9.0087

■ 49.4448, 52.1536,  
48.5878

■ 34.1851, 33.6236,  
6.5391

■ 52.8519, 55.6162,  
60.0558

■ 33.0310, 31.6992,  
4.9717

■ 56.6059, 59.3018,  
73.0915

■ 32.1017, 30.0218,  
4.1029

■ 60.7183, 63.2156,  
87.7518

■ 65.1997, 67.3631,  
104.0908

■ 66.7416, 70.4217,  
104.6828

■ 68.3225, 73.5835,  
105.2098

# Harmonies

## Analogous

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



46.5809, 43.0418, 25.7933



41.1804, 43.0418, 22.9671



36.1477, 43.0418, 25.2777

# Triad

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



41.1804, 43.0418, 22.9671



32.4417, 43.0418, 62.5537



50.4259, 43.0418, 64.1907

# Complementary

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



41.1804, 43.0418, 22.9671



26.9388, 26.8620, 56.5883

# 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.



46.0731, 43.0418, 78.1799



41.1804, 43.0418, 22.9671



35.7190, 43.0418, 77.0978

# Square

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



41.1804, 43.0418, 22.9671



31.3769, 43.0418, 46.0966



40.6407, 43.0418, 83.3524



52.2013, 43.0418, 47.6423



# Rectangle

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



41.1804, 43.0418, 22.9671



33.6094, 43.0418, 29.7861



40.6407, 43.0418, 83.3524



49.1978, 43.0418, 69.4728

# Sweetspot

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



41.1815, 43.0438, 22.9680



87.6505, 92.4667, 84.0340



34.1952, 26.5164, 28.5157



18.6000, 19.6237, 17.4596



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.



41.1815, 43.0438, 22.9680



70.2203, 72.7684, 31.4814



42.2333, 51.0406, 24.4561



11.2450, 11.8591, 11.2591



21.1907, 19.8987, 2.7240



1.0646, 1.0646, 0.1494



# Inverse Universe

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



26.9388, 26.8620, 56.5883



41.1792, 39.8010, 100.1197



26.1126, 21.7409, 55.6434



10.3117, 10.7975, 13.4581



7.7250, 4.8440, 35.2722



0.4302, 0.3582, 1.6916



# Previews

## White Background



This preview shows how the XYZ color 41.1804, 43.0418, 22.9671 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

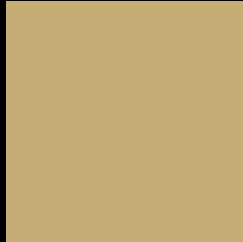
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1804, 43.0418, 22.9671 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 41.1804, 43.0418, 22.9671**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1804, 43.0418, 22.9671.



This preview shows how white text looks on a background with the XYZ color 41.1804, 43.0418,



# 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

41.1804, 43.0418, 22.9671

### Protanopia

39.8352, 42.9151, 23.3234

### Deuteranopia

43.8510, 43.0149, 23.1311



## Tritanopia

46.1196, 42.8211, 47.9540

# Trichromacy



## Original Color

41.1804, 43.0418, 22.9671

## Protanomaly

40.3984, 42.9176, 23.2942

## Deuteranomaly

42.8216, 43.0366, 23.1895

## Tritanomaly

44.0908, 42.8231, 37.3943

# Monochromacy



## Original Color

41.1804, 43.0418, 22.9671

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

40.1772, 42.5171, 36.2260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1804, 43.0418, 22.9671 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(197, 173, 117)` looks like.

```
.text, #text, p{  
    color:rgb(197, 173, 117)  
}
```

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(197, 173, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 173, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1804, 43.0418, 22.9671 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(197, 173, 117) }
```



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

```
.border{ border-color:rgb(197, 173, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 173, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 173, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 173, 117);  
box-shadow:4px 4px 4px 4px rgb(197, 173,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1804, 43.0418, 22.9671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 173, 117) }
```

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

```
.background{ background-color: rgb(197,  
173, 117) }
```

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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