

# Converting Colors

XYZ(39.2080, 40.8996, 21.5518)

Have a look what the booklet for  
XYZ(39.2080, 40.8996, 21.5518)  
contains.

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# Color

**XYZ(39.1609, 40.9056,  
21.4544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1A971
RGB	193, 169, 113
RGB Percent	76%, 66%, 44%
CMY	0.2431, 0.3372, 0.5569
CMYK	0.00, 0.12, 0.41, 0.24
HSL	42°, 39%, 60%
HSV	42°, 41%, 76%
XYZ	39.1609, 40.9056, 21.4544
YIQ	169.7920, 32.2800, -12.3280

# Conversions

## Conversions Part 2

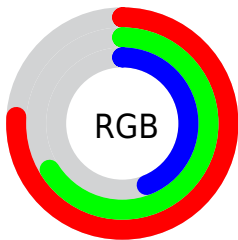
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 193, 113
Decimal	12691825
CIELab	70.11, 0.89, 32.08
CIELCh	70, 32.096, 88.405
Yxy	40.9056, 0.3857, 0.4029
Android (android.graphics.Color)	4290881905 (0xFFC1A971)
YUV	169.7920, -27.9985, 20.3534
Hunter-Lab	63.9575, -2.6308, 24.8815

# Details

The XYZ color **39.1609, 40.9056, 21.4544** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.3811, 25.2515, 53.9883**, and the grayscale version is **38.2295, 40.2204, 43.8000**.

A 20% lighter version of the original color is **73.2308, 76.5372, 46.5108**, and **17.7679, 18.4960, 7.4841** is the 20% darker color. If you saturate the color by 10%, you get **37.1349, 38.4114, 15.9766**, and if you desaturate by 10%, it is **41.4677, 43.5914, 28.1667**.

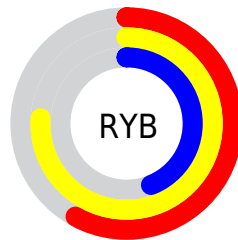
# Distribution



Red (76%)

Green (66%)

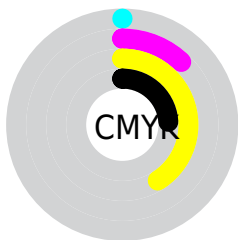
Blue (44%)



Red (58%)

Yellow (76%)

Blue (44%)

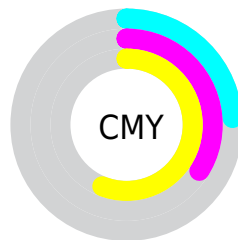


Cyan (0%)

Magenta (12%)

Yellow (41%)

Black (24%)



Cyan (24%)

Magenta (34%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1609, 40.9056, 21.4544 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 39.1609, 40.9056, 21.4544 by changing the saturation by 10% instead.



■ 39.1609, 40.9056,  
21.4544

■ 39.1609, 40.9056,  
21.4544

333.7695,  
349.9259, 272.5435

■ 27.0662, 28.2453,  
13.2621

■ 73.1766, 76.5406,  
46.7331

■ 17.7598, 18.5107,  
7.4764

■ 95.8282, 100.2841,  
64.6566

■ 10.8763, 11.3172,  
3.6789

■ 122.7296,  
128.4907, 86.6609

■ 6.0504, 6.2806,  
1.4509

■ 154.2460,  
161.5450, 113.1646

■ 2.9167, 3.0165,  
0.1809

190.7429,  
199.8313, 144.5862

■ 1.1099, 1.1403,  
0.0000

232.5855,

■ 0.0334, 0.0121,

243.7339, 181.3441

0.0000

280.1392,  
293.6373, 223.8571

■ 0.0000, 0.0000,  
0.0000

■ 39.1609, 40.9056,  
21.4544

■ 39.1609, 40.9056,  
21.4544

■ 37.1349, 38.4114,  
15.9766

■ 41.4677, 43.5914,  
28.1667

■ 35.3713, 36.0960,  
11.6528

■ 44.0664, 46.4697,  
36.1821

■ 33.8539, 33.9534,  
8.3966


■ 46.9709, 49.5486,  
45.5673

■ 32.5634, 31.9749,  
6.1088

■ 50.1936, 52.8338,  
56.3834


■ 31.4765, 30.1502,  
4.6707


■ 53.7457, 56.3309,  
68.6881

 30.6717, 28.6963,  
3.9224

 57.6382, 60.0450,  
82.5358

 61.8815, 63.9812,  
97.9779

 64.4234, 67.3196,  
104.2062

 65.9265, 70.3259,  
104.7073

# Harmonies

## Analogous

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



44.4069, 40.9056, 24.1870



39.1609, 40.9056, 21.4544



34.2761, 40.9056, 23.6559

# Triad

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



39.1609, 40.9056, 21.4544



30.6653, 40.9056, 59.7425



48.1192, 40.9056, 61.4519

# Complementary

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



39.1609, 40.9056, 21.4544



25.3811, 25.2515, 53.9883

# 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.



43.8778, 40.9056, 75.0861



39.1609, 40.9056, 21.4544



33.8310, 40.9056, 73.9532

# Square

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



39.1609, 40.9056, 21.4544



29.6435, 40.9056, 43.7402



38.5995, 40.9056, 80.1044



49.8587, 40.9056, 45.3479



# Rectangle

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



39.1609, 40.9056, 21.4544



31.8136, 40.9056, 27.9832



38.5995, 40.9056, 80.1044



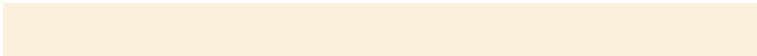
46.9211, 40.9056, 66.5997

# Sweetspot

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



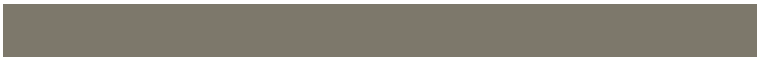
39.1619, 40.9075, 21.4552



83.7224, 88.3227, 80.2844



32.4131, 24.9543, 26.7757



17.8089, 18.7890, 16.7243



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.1619, 40.9075, 21.4552



66.7361, 69.0831, 29.2023



40.1822, 48.6793, 22.9016



10.6501, 11.2317, 10.6685



20.4730, 19.2317, 2.6331



0.9425, 0.9469, 0.1331



# Inverse Universe

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



25.3811, 25.2515, 53.9883



38.6857, 37.2438, 95.5101



24.5845, 20.3282, 53.0800



9.7691, 10.2296, 12.7444



7.4668, 4.6900, 34.0683



0.3845, 0.3265, 1.4926



# Previews

## White Background



This preview shows how the XYZ color 39.1609, 40.9056, 21.4544 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 39.1609, 40.9056, 21.4544 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 39.1609, 40.9056, 21.4544**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1609, 40.9056, 21.4544.



This preview shows how white text looks on a background with the XYZ color 39.1609, 40.9056,



# 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

39.1609, 40.9056, 21.4544

### Protanopia

37.8499, 40.7798, 21.7960

### Deuteranopia

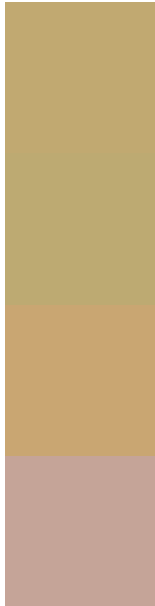
41.7663, 40.8876, 21.6104



## Tritanopia

43.9380, 40.6878, 45.5822

# Trichromacy



## Original Color

39.1609, 40.9056, 21.4544

## Protanomaly

38.3983, 40.7832, 21.7677

## Deuteranomaly

40.7609, 40.9048, 21.6667

## Tritanomaly

41.9689, 40.6882, 35.3474

# Monochromacy



## Original Color

39.1609, 40.9056, 21.4544

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

38.1596, 40.3844, 34.2175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1609, 40.9056, 21.4544 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(193, 169, 113)` looks like.

```
.text, #text, p{  
    color:rgb(193, 169, 113)  
}
```

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(193, 169, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 169, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1609, 40.9056, 21.4544 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(193, 169, 113) }
```



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

```
.border{ border-color:rgb(193, 169, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 169, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 169, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 169, 113);  
box-shadow:4px 4px 4px 4px rgb(193, 169,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1609, 40.9056, 21.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 169, 113) }
```

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

```
.background{ background-color: rgb(193,  
169, 113) }
```

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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