

Converting Colors

XYZ(39.2816, 41.2429, 21.6117)

Have a look what the booklet for
XYZ(39.2816, 41.2429, 21.6117)
contains.

XYZ(39.3477, 41.2792, 21.5166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.3477, 41.2792,
21.5166)**

Conversions

Conversions Part 1

Format	Color
Hex	C1AA71
RGB	193, 170, 113
RGB Percent	76%, 67%, 44%
CMY	0.2431, 0.3333, 0.5569
CMYK	0.00, 0.12, 0.41, 0.24
HSL	43°, 39%, 60%
HSV	43°, 41%, 76%
XYZ	39.3477, 41.2792, 21.5166
YIQ	170.3790, 32.0050, -12.8510

Conversions

Conversions Part 2

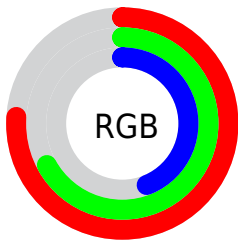
Format	Color
RYB	145, 193, 113
Decimal	12692081
CIELab	70.37, 0.36, 32.42
CIELCh	70, 32.424, 89.369
Yxy	41.2792, 0.3852, 0.4041
Android (android.graphics.Color)	4290882161 (0xFFC1AA71)
YUV	170.3790, -28.2878, 19.8386
Hunter-Lab	64.2489, -3.1175, 25.1183

Details

The XYZ color **39.3477, 41.2792, 21.5166** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.2396, 24.9684, 53.9411**, and the grayscale version is **38.5243, 40.5305, 44.1378**.

A 20% lighter version of the original color is **73.5004, 77.0763, 46.6006**, and **17.8851, 18.7303, 7.5232** is the 20% darker color. If you saturate the color by 10%, you get **37.3568, 38.8552, 16.0505**, and if you desaturate by 10%, it is **41.6156, 43.8872, 28.2159**.

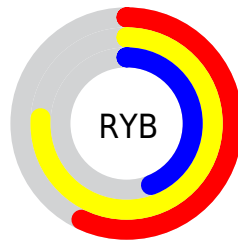
Distribution



Red (76%)

Green (67%)

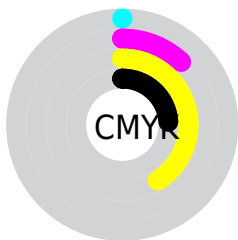
Blue (44%)



Red (57%)

Yellow (76%)

Blue (44%)

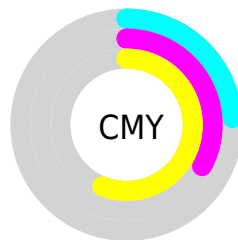


Cyan (0%)

Magenta (12%)

Yellow (41%)

Black (24%)



Cyan (24%)

Magenta (33%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3477, 41.2792, 21.5166 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 39.3477, 41.2792, 21.5166 by changing the saturation by 10% instead.

■ 39.3477, 41.2792,
21.5166

■ 39.3477, 41.2792,
21.5166

334.5483,
351.4862, 272.8820

■ 27.2123, 28.5373,
13.3072

■ 73.4599, 77.1075,
46.8376

■ 17.8701, 18.7311,
7.5072

■ 96.1673, 100.9628,
64.7864

■ 10.9559, 11.4761,
3.6981

■ 123.1294,
129.2913, 86.8186

■ 6.1043, 6.3880,
1.4612

■ 154.7117,
162.4774, 113.3530

■ 2.9498, 3.0824,
0.1888

191.2793,
200.9056, 144.8080

■ 1.1273, 1.1749,
0.0000

233.1977,

■ 0.0478, 0.0411,

244.9602, 181.6021

0.0000

280.8322,
295.0256, 224.1539

■ 0.0000, 0.0000,
0.0000

■ 39.3477, 41.2792,
21.5166

■ 39.3477, 41.2792,
21.5166

■ 37.3568, 38.8552,
16.0505

■ 41.6156, 43.8872,
28.2159

■ 35.6246, 36.6026,
11.7371

■ 44.1715, 46.6800,
36.2171

■ 34.1350, 34.5155,
8.4903

■ 47.0293, 49.6654,
45.5866

■ 32.8686, 32.5853,
6.2105

■ 50.2012, 52.8492,
56.3859

■ 31.8024, 30.8020,
4.7793

■ 53.6986, 56.2367,
68.6723

■ 31.0126, 29.3781,
4.0360

■ 57.5322, 59.8329,
82.5003

■ 61.7122, 63.6428,
97.9214

■ 64.1867, 66.8462,
104.1274

■ 65.6181, 69.7090,
104.6045

Harmonies

Analogous

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



44.6930, 41.2792, 24.1210



39.3477, 41.2792, 21.5166



34.4188, 41.2792, 23.9080

Triad

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



39.3477, 41.2792, 21.5166



30.9617, 41.2792, 60.9368



48.7331, 41.2792, 61.6257

Complementary

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



39.3477, 41.2792, 21.5166



25.2396, 24.9684, 53.9411

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.



44.4800, 41.2792, 75.6940



39.3477, 41.2792, 21.5166



34.2398, 41.2792, 75.2371

Square

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



39.3477, 41.2792, 21.5166



29.8507, 41.2792, 44.6233



39.1218, 41.2792, 81.1590



50.4040, 41.2792, 45.2703

Rectangle

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



39.3477, 41.2792, 21.5166



31.9576, 41.2792, 28.4103



39.1218, 41.2792, 81.1590



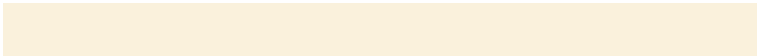
47.5401, 41.2792, 66.9032

Sweetspot

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



39.3487, 41.2811, 21.5174



83.8334, 88.5448, 80.3214



32.4131, 24.9543, 26.7757



17.8352, 18.8415, 16.7331



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.



39.3487, 41.2811, 21.5174



67.1296, 69.8701, 29.3335



40.1822, 48.6793, 22.9015



10.6609, 11.2533, 10.6721



20.6983, 19.6823, 2.7081



0.9509, 0.9636, 0.1359

Inverse Universe

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



25.2396, 24.9684, 53.9411



38.4112, 36.6949, 95.4186



24.5844, 20.3281, 53.0800



9.7589, 10.2091, 12.7410



7.3861, 4.5288, 34.0415



0.3800, 0.3175, 1.4911

Previews

White Background



This preview shows how the XYZ color 39.3477, 41.2792, 21.5166 looks on a white background.

Color Contrast Check

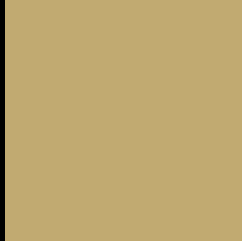
Large Text (above 18pt) WCAG AA × Fail

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 39.3477, 41.2792, 21.5166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

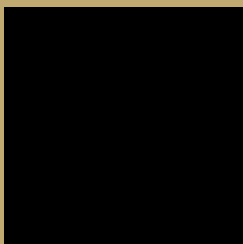
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

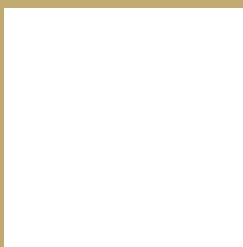
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.3477, 41.2792, 21.5166

Background



This preview shows how black text looks on a background with the XYZ color 39.3477, 41.2792, 21.5166.



This preview shows how white text looks on a background with the XYZ color 39.3477, 41.2792,

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

39.3477, 41.2792, 21.5166

Protanopia

38.2833, 41.2847, 21.8706

Deuteranopia

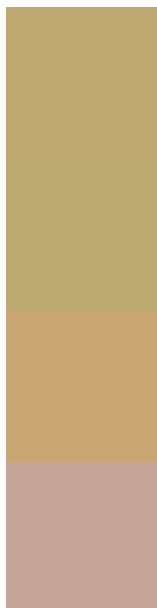
42.2245, 41.3906, 21.6833



Tritanopia

44.2114, 41.0779, 46.1561

Trichromacy



Original Color

39.3477, 41.2792, 21.5166

Protanomaly

38.5864, 41.1595, 21.8305

Deuteranomaly

41.2131, 41.4089, 21.7401

Tritanomaly

42.1486, 41.0476, 35.4073

Monochromacy



Original Color

39.3477, 41.2792, 21.5166

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 39.3477, 41.2792, 21.5166 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, 170, 113)` looks like.

```
.text, #text, p{  
    color:rgb(193, 170, 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, 170, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 170, 113) }
```

Border

The CSS property to change the border of an element to XYZ 39.3477, 41.2792, 21.5166 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, 170, 113) }
```


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

```
.border{ border-color:rgb(193, 170, 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, 170, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 170, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 170, 113);  
box-shadow:4px 4px 4px 4px rgb(193, 170,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3477, 41.2792, 21.5166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 170, 113) }
```

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

```
.background{ background-color: rgb(193,  
170, 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](#).

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