

Converting Colors

XYZ(39.8695, 39.1222, 21.3696)

Have a look what the booklet for
XYZ(39.8695, 39.1222, 21.3696)
contains.

XYZ(39.8695, 39.1222, 21.3696)	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(39.8695, 39.1222,
21.3696)**

Conversions

Conversions Part 1

Format	Color
Hex	C9A172
RGB	201, 161, 114
RGB Percent	79%, 63%, 45%
CMY	0.2118, 0.3686, 0.5529
CMYK	0.00, 0.20, 0.43, 0.21
HSL	32°, 45%, 62%
HSV	32°, 43%, 79%
XYZ	39.8695, 39.1222, 21.3696
YIQ	167.6020, 38.9270, -6.1370

Conversions

Conversions Part 2

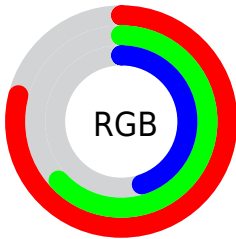
Format	Color
RYB	188, 201, 114
Decimal	13214066
CIELab	68.84, 8.60, 30.05
CIElCh	69, 31.254, 74.032
Yxy	39.1222, 0.3973, 0.3898
Android (android.graphics.Color)	4291404146 (0xFFC9A172)
YUV	167.6020, -26.4258, 29.2900
Hunter-Lab	62.5477, 4.3218, 23.5268

Details

The XYZ color **39.8695, 39.1222, 21.3696** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.0371, 30.9044, 59.6928**, and the grayscale version is **37.1372, 39.0712, 42.5486**.

A 20% lighter version of the original color is **72.6788, 73.1249, 46.3603**, and **18.2071, 17.5533, 7.4295** is the 20% darker color. If you saturate the color by 10%, you get **37.2934, 35.6042, 15.4733**, and if you desaturate by 10%, it is **42.8183, 42.9832, 28.6313**.

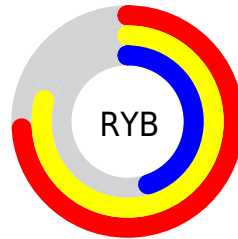
Distribution



Red (79%)

Green (63%)

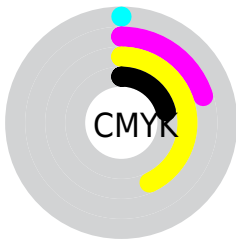
Blue (45%)



Red (74%)

Yellow (79%)

Blue (45%)

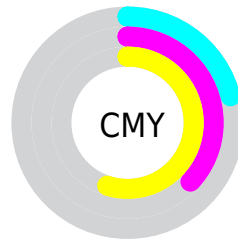


Cyan (0%)

Magenta (20%)

Yellow (43%)

Black (21%)



Cyan (21%)


Magenta (37%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8695, 39.1222, 21.3696 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 39.8695, 39.1222, 21.3696 by changing the saturation by 10% instead.


 39.8695, 39.1222,
21.3696


 39.8695, 39.1222,
21.3696


336.7171,
342.4098, 272.0815

 27.6206, 26.8548,
13.2006


 74.2504, 73.8250,
46.5906


 18.1788, 17.4642,
7.4345


 97.1130, 97.0291,
64.4796

 11.1789, 10.5660,
3.6527


 124.2442,
124.6476, 86.4458

 6.2555, 5.7758,
1.4368

 156.0095,
157.0649, 112.9075

 3.0432, 2.7092,
0.1702

192.7740,
194.6654, 144.2834

 1.1766, 0.9819,
0.0000

234.9032,

 0.0878, 0.0000,

237.8334, 180.9920

0.0000

282.7625,
286.9534, 223.4519

■ 0.0000, 0.0000,
0.0000

■ 39.8695, 39.1222,
21.3696

■ 39.8695, 39.1222,
21.3696

■ 37.2934, 35.6042,
15.4733

■ 42.8183, 42.9832,
28.6313

■ 35.0680, 32.4118,
10.8514

■ 46.1545, 47.1926,
37.3364

■ 33.1727, 29.5342,
7.4057

■ 49.8954, 51.7627,
47.5601

■ 31.5836, 26.9572,
5.0221

■ 54.0565, 56.7034,
59.3714

■ 30.2717, 24.6647,
3.5632

■ 58.6520, 62.0240,
72.8352

■ 29.5131, 23.2690,
2.9359

■ 63.6956, 67.7336,
88.0125

■ 69.2006, 73.8409,
104.9614

■ 71.8248, 79.0125,
106.0731

■ 74.5384, 84.4396,
106.9776

Harmonies

Analogous

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



44.4688, 39.1222, 26.2981



39.8695, 39.1222, 21.3696



34.9205, 39.1222, 21.2191

Triad

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



39.8695, 39.1222, 21.3696



28.6807, 39.1222, 49.5665



44.2126, 39.1222, 65.3983

Complementary

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



39.8695, 39.1222, 21.3696



29.0371, 30.9044, 59.6928

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.



39.5443, 39.1222, 74.9579



39.8695, 39.1222, 21.3696



30.7425, 39.1222, 64.5336

Square

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



39.8695, 39.1222, 21.3696



28.7509, 39.1222, 35.5186



34.6228, 39.1222, 74.6102



47.1244, 39.1222, 50.5593

Rectangle

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



39.8695, 39.1222, 21.3696



32.0999, 39.1222, 23.7395



34.6228, 39.1222, 74.6102



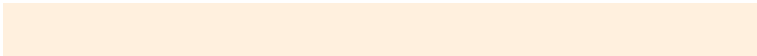
42.7795, 39.1222, 69.4688

Sweetspot

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



39.8705, 39.1241, 21.3704



85.4943, 88.7051, 81.6177



35.9877, 26.8056, 34.1121



17.9790, 18.5997, 16.5800



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.



39.8705, 39.1241, 21.3704



64.0788, 61.2774, 26.9930



47.2389, 55.0074, 24.0478



11.1006, 11.5703, 11.2110



18.6493, 14.8158, 1.8768



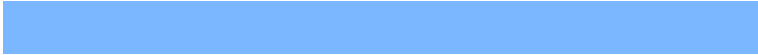
0.9549, 0.8453, 0.1128

Inverse Universe

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



29.0371, 30.9044, 59.6928



43.1402, 45.4017, 101.0974



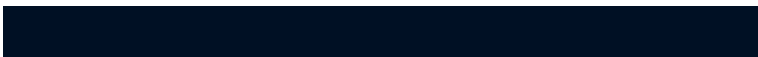
23.8830, 20.0271, 57.8649



10.4517, 11.0775, 13.5048



9.1466, 7.6871, 35.7460



0.5053, 0.5084, 1.7167

Previews

White Background



This preview shows how the XYZ color 39.8695, 39.1222, 21.3696 looks on a white background.

Color Contrast Check

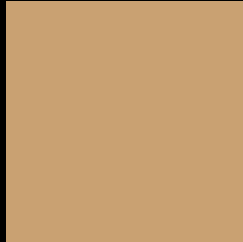
Large Text (above 18pt) WCAG AA × Fail

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 39.8695, 39.1222, 21.3696 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 39.8695, 39.1222, 21.3696

Background



This preview shows how black text looks on a background with the XYZ color 39.8695, 39.1222, 21.3696.



This preview shows how white text looks on a background with the XYZ color 39.8695, 39.1222,

21.3696.

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

39.8695, 39.1222, 21.3696

Protanopia

36.5049, 39.2347, 22.4787

Deuteranopia

39.8695, 39.1222, 21.3696



Tritanopia

43.8921, 38.9862, 41.2881

Trichromacy



Original Color

39.8695, 39.1222, 21.3696

Protanomaly

37.5938, 38.9900, 22.0674

Deuteranomaly

39.8695, 39.1222, 21.3696

Tritanomaly

42.2253, 39.0579, 32.9172

Monochromacy



Original Color

39.8695, 39.1222, 21.3696

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.6228, 38.7517, 33.5139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8695, 39.1222, 21.3696 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(201, 161, 114)` looks like.

```
.text, #text, p{  
    color:rgb(201, 161, 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(201, 161, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 161, 114) }
```

Border

The CSS property to change the border of an element to XYZ 39.8695, 39.1222, 21.3696 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(201, 161, 114) }
```


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

```
.border{ border-color:rgb(201, 161, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 161, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 161, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 161, 114);  
box-shadow:4px 4px 4px 4px rgb(201, 161,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8695, 39.1222, 21.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 161, 114) }
```

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

```
.background{ background-color: rgb(201,  
161, 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](#).

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