

Converting Colors

XYZ(39.4749, 40.6702, 21.7380)

Have a look what the booklet for
XYZ(39.4749, 40.6702, 21.7380)
contains.

XYZ(39.5456, 40.8223, 21.7148)	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(39.5456, 40.8223,
21.7148)**

Conversions

Conversions Part 1

Format	Color
Hex	C3A872
RGB	195, 168, 114
RGB Percent	76%, 66%, 45%
CMY	0.2353, 0.3412, 0.5529
CMYK	0.00, 0.14, 0.42, 0.24
HSL	40°, 40%, 61%
HSV	40°, 42%, 76%
XYZ	39.5456, 40.8223, 21.7148
YIQ	169.9170, 33.4260, -11.0700

Conversions

Conversions Part 2

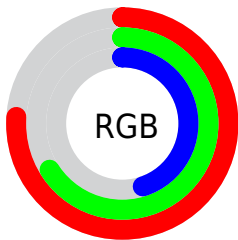
Format	Color
RYB	155, 195, 114
Decimal	12822642
CIELab	70.05, 2.36, 31.51
CIElCh	70, 31.602, 85.718
Yxy	40.8223, 0.3874, 0.3999
Android (android.graphics.Color)	4291012722 (0xFFC3A872)
YUV	169.9170, -27.5671, 21.9978
Hunter-Lab	63.8923, -1.3306, 24.5740

Details

The XYZ color **39.5456, 40.8223, 21.7148** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.3143, 26.5664, 55.3707**, and the grayscale version is **38.2894, 40.2834, 43.8686**.

A 20% lighter version of the original color is **73.7786, 76.4112, 46.9367**, and **18.0147, 18.4479, 7.6123** is the 20% darker color. If you saturate the color by 10%, you get **37.3822, 38.0863, 16.0892**, and if you desaturate by 10%, it is **42.0077, 43.7767, 28.6082**.

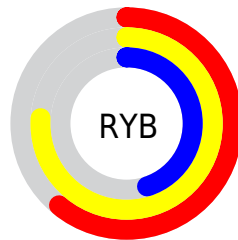
Distribution



Red (76%)

Green (66%)

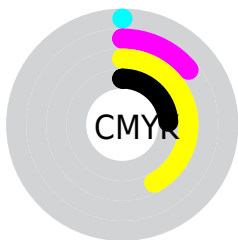
Blue (45%)



Red (61%)

Yellow (76%)

Blue (45%)

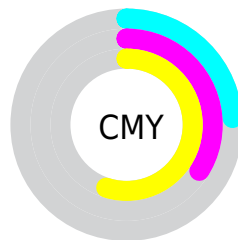


Cyan (0%)

Magenta (14%)

Yellow (42%)

Black (24%)



Cyan (24%)


Magenta (34%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5456, 40.8223, 21.7148 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 39.5456, 40.8223, 21.7148 by changing the saturation by 10% instead.


 39.5456, 40.8223,
21.7148


 39.5456, 40.8223,
21.7148


335.3720,
349.5774, 273.9580


 27.3671, 28.1803,
13.4512


 73.7598, 76.4141,
47.1703


 17.9871, 18.4616,
7.6056


 96.5262, 100.1326,
65.1993

 11.0404, 11.2819,
3.7595

 123.5526,
128.3120, 87.3204

 6.1615, 6.2568,
1.4944

 155.2044,
161.3368, 113.9523

 2.9851, 3.0018,
0.2137

191.8468,
199.5914, 145.5135

 1.1459, 1.1327,
0.0000

233.8453,

 0.0630, 0.0057,

243.4601, 182.4224

0.0000

281.5653,
293.3273, 225.0978

■ 0.0000, 0.0000,
0.0000

■ 39.5456, 40.8223,
21.7148

■ 39.5456, 40.8223,
21.7148

■ 37.3822, 38.0863,
16.0892

■ 42.0077, 43.7767,
28.6082

■ 35.4983, 35.5553,
11.6488

■ 44.7801, 46.9510,
36.8400

■ 33.8772, 33.2224,
8.3049

■ 47.8773, 50.3539,
46.4787

■ 32.4986, 31.0783,
5.9551

■ 51.3122, 53.9918,
57.5872

■ 31.3384, 29.1118,
4.4775

■ 55.0967, 57.8708,
70.2246

■ 30.4898, 27.5703,
3.7146

■ 59.2422, 61.9966,
84.4467

■ 63.7594, 66.3749,
100.3067

■ 66.1479, 70.0066,
104.6340

■ 67.8869, 73.4845,
105.2137

Harmonies

Analogous

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



44.6590, 40.8223, 24.8678



39.5456, 40.8223, 21.7148



34.6538, 40.8223, 23.4554

Triad

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



39.5456, 40.8223, 21.7148



30.5335, 40.8223, 57.9483



47.5855, 40.8223, 62.4435

Complementary

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



39.5456, 40.8223, 21.7148



26.3143, 26.5664, 55.3707

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.



43.2651, 40.8223, 75.2633



39.5456, 40.8223, 21.7148



33.4779, 40.8223, 72.2905

Square

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



39.5456, 40.8223, 21.7148



29.7269, 40.8223, 42.3613



38.0646, 40.8223, 79.2150



49.5544, 40.8223, 46.6032

Rectangle

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



39.5456, 40.8223, 21.7148



32.1245, 40.8223, 27.4206



38.0646, 40.8223, 79.2150



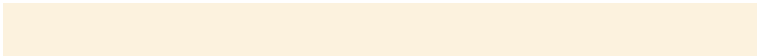
46.3424, 40.8223, 67.3750

Sweetspot

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



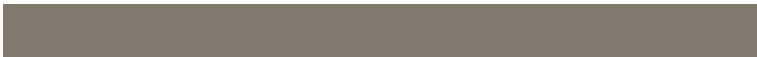
39.5466, 40.8242, 21.7156



85.3713, 89.7769, 82.0460



33.3310, 25.5602, 28.3766



18.5270, 19.4778, 17.4352



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.



39.5466, 40.8242, 21.7156



67.2295, 68.5739, 29.5076



41.7260, 50.1295, 23.3969



10.6215, 11.1744, 10.6589



19.8966, 18.0789, 2.4409



0.9209, 0.9035, 0.1259

Inverse Universe

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



26.3143, 26.5664, 55.3707



40.3363, 39.6231, 97.9919



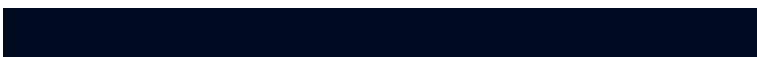
24.6951, 20.5258, 54.2900



9.7965, 10.2842, 12.7536



7.7001, 5.1567, 34.1461



0.3968, 0.3511, 1.4967

Previews

White Background



This preview shows how the XYZ color 39.5456, 40.8223, 21.7148 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 39.5456, 40.8223, 21.7148 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 39.5456, 40.8223, 21.7148

Background



This preview shows how black text looks on a background with the XYZ color 39.5456, 40.8223, 21.7148.



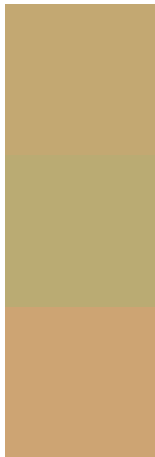
This preview shows how white text looks on a background with the XYZ color 39.5456, 40.8223,

21.7148.

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

39.5456, 40.8223, 21.7148

Protanopia

37.9071, 40.8027, 22.0975

Deuteranopia

41.5468, 40.7679, 21.8989



Tritanopia

44.3751, 40.9244, 45.0955

Trichromacy



Original Color

39.5456, 40.8223, 21.7148

Protanomaly

38.4555, 40.8061, 22.0692

Deuteranomaly

40.6370, 40.5656, 21.9078

Tritanomaly

42.4961, 40.9600, 35.3721

Monochromacy



Original Color

39.5456, 40.8223, 21.7148

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2834, 40.1616, 34.5884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5456, 40.8223, 21.7148 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(195, 168, 114)` looks like.

```
.text, #text, p{  
    color:rgb(195, 168, 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(195, 168, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 168, 114) }
```

Border

The CSS property to change the border of an element to XYZ 39.5456, 40.8223, 21.7148 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(195, 168, 114) }
```


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

```
.border{ border-color:rgb(195, 168, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 168, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 168, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 168, 114); box-shadow:4px 4px 4px 4px rgb(195, 168, 114) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5456, 40.8223, 21.7148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 168, 114) }
```

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

```
.background{ background-color: rgb(195,  
168, 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