

Converting Colors

XYZ(39.8617, 40.5668, 19.6872)

Have a look what the booklet for
XYZ(39.8617, 40.5668, 19.6872)
contains.

XYZ(39.8432, 40.4761, 19.6226)	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(39.8432, 40.4761,
19.6226)**

Conversions

Conversions Part 1

Format	Color
Hex	C7A66B
RGB	199, 166, 107
RGB Percent	78%, 65%, 42%
CMY	0.2196, 0.3490, 0.5804
CMYK	0.00, 0.17, 0.46, 0.22
HSL	38°, 45%, 60%
HSV	38°, 46%, 78%
XYZ	39.8432, 40.4761, 19.6226
YIQ	169.1410, 38.6070, -11.3530

Conversions

Conversions Part 2

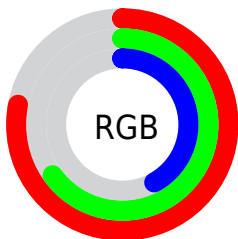
Format	Color
RYB	158, 199, 107
Decimal	13084267
CIELab	69.81, 4.35, 34.97
CIElCh	70, 35.243, 82.918
Yxy	40.4761, 0.3987, 0.4050
Android (android.graphics.Color)	4291274347 (0xFFC7A66B)
YUV	169.1410, -30.6355, 26.1863
Hunter-Lab	63.6208, 0.4510, 26.2477

Details

The XYZ color **39.8432, 40.4761, 19.6226** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.7498, 26.0044, 57.6947**, and the grayscale version is **37.9162, 39.8908, 43.4411**.

A 20% lighter version of the original color is **73.3545, 75.4761, 43.5030**, and **18.1087, 18.1798, 6.5576** is the 20% darker color. If you saturate the color by 10%, you get **37.6530, 37.5829, 14.3083**, and if you desaturate by 10%, it is **42.3483, 43.6135, 26.2314**.

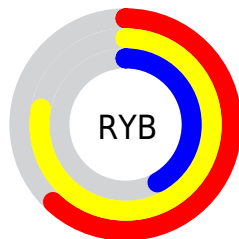
Distribution



Red (78%)

Green (65%)

Blue (42%)



Red (62%)

Yellow (78%)

Blue (42%)

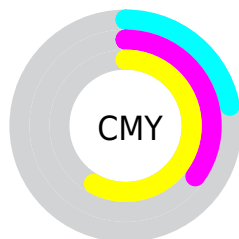


Cyan (0%)

Magenta (17%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (35%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8432, 40.4761, 19.6226 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 39.8432, 40.4761, 19.6226 by changing the saturation by 10% instead.

■ 39.8432, 40.4761,
19.6226

■ 39.8432, 40.4761,
19.6226

336.6080,
348.1262, 262.4009

■ 27.6000, 27.9099,
11.9397

■ 74.2105, 75.8880,
43.6342

■ 18.1632, 18.2578,
6.5806

■ 97.0654, 99.5025,
60.7998

■ 11.1677, 11.1352,
3.1268

■ 124.1881,
127.5685, 81.9635

■ 6.2478, 6.1579,
1.1597

■ 155.9441,
160.4705, 107.5438

■ 3.0384, 2.9413,
0.0000

192.6988,
198.5929, 137.9591

■ 1.1741, 1.1012,
0.0000

234.8174,

■ 0.0858, 0.0000,

242.3201, 173.6280

0.0000

282.6654,
292.0364, 214.9691

■ 0.0000, 0.0000,
0.0000

■ 39.8432, 40.4761,
19.6226

■ 39.8432, 40.4761,
19.6226

■ 37.6530, 37.5829,
14.3083

■ 42.3483, 43.6135,
26.2314

■ 35.7570, 34.9191,
10.1975

■ 45.1817, 46.9978,
34.2124

■ 34.1358, 32.4768,
7.1909

■ 48.3593, 50.6385,
43.6402

■ 32.7664, 30.2448,
5.1723

■ 51.8952, 54.5431,
54.5831

■ 31.6195, 28.2092,
3.9938

■ 55.8026, 58.7184,
67.1051

■ 31.2241, 27.4841,
3.6593

■ 60.0937, 63.1712,
81.2666

■ 64.7806, 67.9076,
97.1247

■ 68.0177, 72.1913,
104.9571

■ 69.9661, 76.0881,
105.6066

Harmonies

Analogous

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



45.4906, 40.4761, 23.4177



39.8432, 40.4761, 19.6226



34.3457, 40.4761, 20.9615

Triad

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



39.8432, 40.4761, 19.6226



29.2050, 40.4761, 57.5094



47.9286, 40.4761, 65.9206

Complementary

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



39.8432, 40.4761, 19.6226



25.7498, 26.0044, 57.6947

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.



42.9147, 40.4761, 79.9119



39.8432, 40.4761, 19.6226



32.2140, 40.4761, 74.2757

Square

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



39.8432, 40.4761, 19.6226



28.5572, 40.4761, 40.3014



37.1313, 40.4761, 83.2982



50.4494, 40.4761, 48.0699

Rectangle

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



39.8432, 40.4761, 19.6226



31.4580, 40.4761, 24.7961



37.1313, 40.4761, 83.2982



46.4564, 40.4761, 71.3948

Sweetspot

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



39.8442, 40.4780, 19.6234



85.8764, 90.0116, 80.0729



33.5989, 24.5730, 28.0680



18.1031, 18.9547, 16.2925



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.



39.8442, 40.4780, 19.6234



66.0799, 66.0116, 25.4031



43.5055, 52.4394, 21.7392



11.1916, 11.7523, 11.2413



20.1633, 17.8437, 2.3815



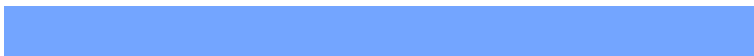
1.0215, 0.9784, 0.1350

Inverse Universe

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



25.7498, 26.0044, 57.6947



38.5514, 37.7760, 99.8674



23.2112, 18.5802, 56.3955



10.3628, 10.8997, 13.4752



8.1687, 5.7314, 35.4201



0.4553, 0.4084, 1.7000

Previews

White Background



This preview shows how the XYZ color 39.8432, 40.4761, 19.6226 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 39.8432, 40.4761, 19.6226 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 39.8432, 40.4761, 19.6226

Background



This preview shows how black text looks on a background with the XYZ color 39.8432, 40.4761, 19.6226.



This preview shows how white text looks on a background with the XYZ color 39.8432, 40.4761,

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

39.8432, 40.4761, 19.6226

Protanopia

37.5729, 40.6691, 20.3376

Deuteranopia

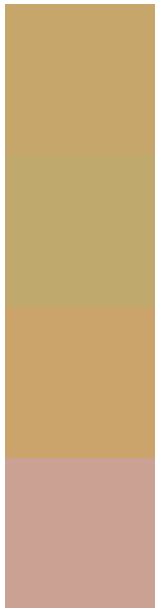
41.2576, 40.3989, 19.8106



Tritanopia

44.6594, 40.3351, 43.4619

Trichromacy



Original Color

39.8432, 40.4761, 19.6226

Protanomaly

38.3806, 40.5350, 19.9885

Deuteranomaly

40.6108, 40.3301, 19.8314

Tritanomaly

42.6399, 40.2928, 33.1337

Monochromacy



Original Color

39.8432, 40.4761, 19.6226

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.0133, 39.7839, 32.8697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8432, 40.4761, 19.6226 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(199, 166, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 166, 107)  
}
```

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(199, 166, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 166, 107) }
```

Border

The CSS property to change the border of an element to XYZ 39.8432, 40.4761, 19.6226 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(199, 166, 107) }
```


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

```
.border{ border-color:rgb(199, 166, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 166, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 166, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 166, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 166,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8432, 40.4761, 19.6226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 166, 107) }
```

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

```
.background{ background-color: rgb(199,  
166, 107) }
```

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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