

Converting Colors

XYZ(39.4395, 41.7129, 7.8264)

Have a look what the booklet for
XYZ(39.4395, 41.7129, 7.8264)
contains.

XYZ(39.3532, 41.5859, 7.7865)	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(39.3532, 41.5859,
7.7865)**

Conversions

Conversions Part 1

Format	Color
Hex	CBAA26
RGB	203, 170, 38
RGB Percent	80%, 67%, 15%
CMY	0.2039, 0.3333, 0.8510
CMYK	0.00, 0.16, 0.81, 0.20
HSL	48°, 68%, 47%
HSV	48°, 81%, 80%
XYZ	39.3532, 41.5859, 7.7865
YIQ	164.8190, 62.0400, -34.0560

Conversions

Conversions Part 2

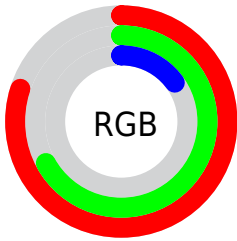
Format	Color
RYB	79, 203, 38
Decimal	13347366
CIELab	70.58, -0.55, 66.27
CIELCh	71, 66.271, 90.471
Yxy	41.5859, 0.4435, 0.4687
Android (android.graphics.Color)	4291537446 (0xFFCBAA26)
YUV	164.8190, -62.5218, 33.4847
Hunter-Lab	64.4871, -3.9231, 37.9820

Details

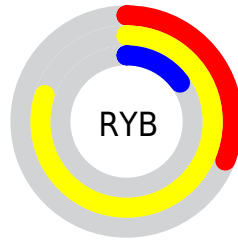
The XYZ color **39.3532, 41.5859, 7.7865** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle muted orange. A complement of this color would be **13.8322, 9.2304, 57.5522**, and the grayscale version is **35.9480, 37.8201, 41.1860**.

A 20% lighter version of the original color is **70.2765, 75.9550, 22.0231**, and **17.9800, 18.8862, 2.6977** is the 20% darker color. If you saturate the color by 10%, you get **38.3617, 39.9920, 6.2571**, and if you desaturate by 10%, it is **40.5486, 43.3022, 10.2650**.

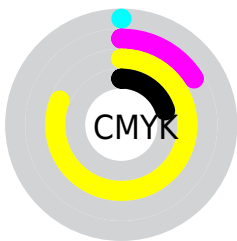
Distribution



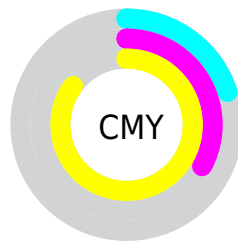
- Red (80%)
- Green (67%)
- Blue (15%)



- Red (31%)
- Yellow (80%)
- Blue (15%)



- Cyan (0%)
- Magenta (16%)
- Yellow (81%)
- Black (20%)



- Cyan (20%)
- Magenta (33%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3532, 41.5859, 7.7865 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 39.3532, 41.5859, 7.7865 by changing the saturation by 10% instead.

■ 39.3532, 41.5859,
7.7865

■ 39.3532, 41.5859,
7.7865

334.5712,
352.7635, 183.9193

■ 27.2166, 28.7772,
3.8728

■ 73.4682, 77.5725,
22.0780

■ 17.8734, 18.9123,
1.5558

■ 96.1773, 101.5192,
33.2930

■ 10.9582, 11.6069,
0.2590

■ 123.1412,
129.9473, 47.7788

■ 6.1058, 6.4766,
0.0000

■ 154.7254,
163.2413, 65.9540

■ 2.9508, 3.1370,
0.0000

■ 191.2951,
201.7855, 88.2371

■ 1.1278, 1.2037,
0.0000

■ 233.2157,

■ 0.0482, 0.0647,

245.9643, 115.0466

0.0000

280.8526,
296.1622, 146.8012

■ 0.0000, 0.0000,
0.0000

■ 39.3532, 41.5859,
7.7865

■ 39.3532, 41.5859,
7.7865

■ 38.3617, 39.9920,
6.2571

■ 40.5486, 43.3022,
10.2650

■ 37.6203, 38.6801,
5.4832

■ 41.9706, 45.1455,
13.8240

■ 43.6417, 47.1267,
18.5770

■ 45.5808, 49.2536,
24.6222

■ 47.8047, 51.5334,
32.0477

■ 50.3291, 53.9726,
40.9338

■ 53.1680, 56.5771,
51.3547

■ 56.3348, 59.3526,
63.3795

■ 59.8419, 62.3043,
77.0730

Harmonies

Analogous

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



50.8385, 41.5859, 10.4678



39.3532, 41.5859, 7.7865



29.7812, 41.5859, 10.6557

Triad

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



39.3532, 41.5859, 7.7865



24.0141, 41.5859, 83.2605



60.8236, 41.5859, 81.9776

Complementary

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



39.3532, 41.5859, 7.7865



13.8322, 9.2304, 57.5522

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.



51.1941, 41.5859, 119.6758



39.3532, 41.5859, 7.7865



30.0302, 41.5859, 120.6266

Square

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



39.3532, 41.5859, 7.7865



21.9883, 41.5859, 45.7778



39.6996, 41.5859, 136.3095



64.5413, 41.5859, 44.7857

Rectangle

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



39.3532, 41.5859, 7.7865



25.4083, 41.5859, 16.7223



39.6996, 41.5859, 136.3095



58.0926, 41.5859, 95.5259

Sweetspot

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



39.3541, 41.5879, 7.7873



82.9345, 89.1047, 63.7491



26.4592, 14.5380, 7.3736



17.4242, 18.7561, 12.4924



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.



39.3541, 41.5879, 7.7873



63.1058, 64.9468, 9.3564



34.9375, 49.6728, 9.5806



11.9559, 12.7007, 11.9008



24.0070, 24.7470, 3.5113



1.2882, 1.3761, 0.1977

Inverse Universe

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



13.8322, 9.2304, 57.5522



19.4835, 9.9922, 95.5095



15.4504, 7.7490, 57.1809



10.7804, 11.2013, 14.1642



7.4079, 3.8398, 36.3070



0.4369, 0.3076, 1.8913

Previews

White Background



This preview shows how the XYZ color 39.3532, 41.5859, 7.7865 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 39.3532, 41.5859, 7.7865 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 39.3532, 41.5859, 7.7865

Background



This preview shows how black text looks on a background with the XYZ color 39.3532, 41.5859, 7.7865.



This preview shows how white text looks on a background with the XYZ color 39.3532, 41.5859,

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

39.3532, 41.5859, 7.7865

Protanopia

37.5579, 41.5030, 7.9508

Deuteranopia

42.2910, 41.4627, 7.8720



Tritanopia

46.7289, 41.3910, 44.0545

Trichromacy



Original Color

39.3532, 41.5859, 7.7865

Protanomaly

38.1447, 41.5218, 7.9235

Deuteranomaly

41.1706, 41.4227, 7.8329

Tritanomaly

42.7900, 40.8260, 24.3638

Monochromacy



Original Color

39.3532, 41.5859, 7.7865

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.7389, 38.5530, 23.0106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3532, 41.5859, 7.7865 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(203, 170, 38)` looks like.

```
.text, #text, p{  
    color:rgb(203, 170, 38)  
}
```

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(203, 170, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 170, 38) }
```

Border

The CSS property to change the border of an element to XYZ 39.3532, 41.5859, 7.7865 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(203, 170, 38) }
```


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

```
.border{ border-color:rgb(203, 170, 38) }
```

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

Here you see how a box with a 4 pixel rgb(203, 170, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 170, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 170, 38);  
box-shadow:4px 4px 4px 4px rgb(203, 170,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3532, 41.5859, 7.7865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 170, 38) }
```

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

```
.background{ background-color: rgb(203,  
170, 38) }
```

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