

Converting Colors

XYZ(40.5699, 38.6917, 29.2007)

Have a look what the booklet for
XYZ(40.5699, 38.6917, 29.2007)
contains.

XYZ(40.5388, 38.7734, 29.3921)	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(40.5388, 38.7734,
29.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	C79F8A
RGB	199, 159, 138
RGB Percent	78%, 62%, 54%
CMY	0.2196, 0.3765, 0.4588
CMYK	0.00, 0.20, 0.31, 0.22
HSL	21°, 35%, 66%
HSV	21°, 31%, 78%
XYZ	40.5388, 38.7734, 29.3921
YIQ	168.5660, 30.5810, 1.9490

Conversions

Conversions Part 2

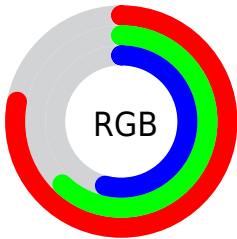
Format	Color
R_{YB}	199, 170, 138
Decimal	13082506
CIE Lab	68.59, 11.77, 16.58
CIE LCh	69, 20.336, 54.631
Yxy	38.7734, 0.3729, 0.3567
Android (android.graphics.Color)	4291272586 (0xFFC79F8A)
YUV	168.5660, -15.0690, 26.6906
Hunter-Lab	62.2683, 7.2401, 15.6015

Details

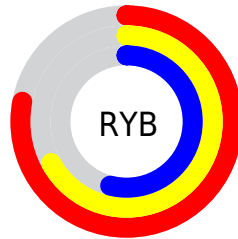
The XYZ color **40.5388, 38.7734, 29.3921** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **36.7099, 41.3662, 60.0827**, and the grayscale version is **37.5601, 39.5161, 43.0330**.

A 20% lighter version of the original color is **74.6905, 73.1147, 59.4662**, and **18.6256, 17.3590, 11.6015** is the 20% darker color. If you saturate the color by 10%, you get **37.1016, 33.9972, 21.7777**, and if you desaturate by 10%, it is **44.4789, 44.1326, 38.4773**.

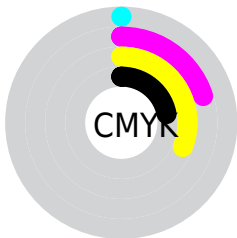
Distribution



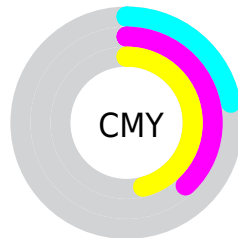
- Red (78%)
- Green (62%)
- Blue (54%)



- Red (78%)
- Yellow (67%)
- Blue (54%)



- Cyan (0%)
- Magenta (20%)
- Yellow (31%)
- Black (22%)





- Cyan (22%)
- Magenta (38%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5388, 38.7734, 29.3921 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 40.5388, 38.7734, 29.3921 by changing the saturation by 10% instead.


 40.5388, 38.7734,
29.3921


 40.5388, 38.7734,
29.3921

339.4849,
340.9261, 313.1792


 28.1450, 26.5835,
19.1295


 75.2624, 73.2920,
59.7491

 18.5760, 17.2607,
11.5861


 98.3229, 96.3895,
80.6805

 11.4665, 10.4205,
6.3434


 125.6697,
123.8917, 106.0054

 6.4511, 5.6786,
2.9829

157.6681,
156.1829, 136.1422

 3.1645, 2.6507,
1.0859

194.6834,
193.6476, 171.5094

 1.2414, 0.9522,
0.0000

237.0811,

 0.1386, 0.0000,

236.6700, 212.5256

0.0000

285.2265,
285.6348, 259.6093

■ 0.0000, 0.0000,
0.0000

■ 40.5388, 38.7734,
29.3921

■ 40.5388, 38.7734,
29.3921

■ 37.1016, 33.9972,
21.7777

■ 44.4789, 44.1326,
38.4773

■ 34.1425, 29.7781,
15.5534

■ 48.9392, 50.0886,
49.1036

■ 31.6391, 26.0962,
10.6340


■ 53.9399, 56.6617,
61.3395


■ 29.5655, 22.9284,
6.9240


■ 59.4991, 63.8694,
75.2485


■ 27.8932, 20.2492,
4.3147


■ 65.6340, 71.7286,
90.8910

 26.5890, 18.0309,
2.6773

 71.9721, 80.0998,
106.2752

 25.6521, 16.3398,
1.8019

 75.8946, 87.9447,
107.5827

 77.3633, 90.8822,
108.0723

Harmonies

Analogous

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



42.7473, 38.7734, 35.2767



40.5388, 38.7734, 29.3921



37.4329, 38.7734, 26.9629

Triad

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



40.5388, 38.7734, 29.3921



31.0482, 38.7734, 40.5867



39.4832, 38.7734, 60.3917

Complementary

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



40.5388, 38.7734, 29.3921



36.7099, 41.3662, 60.0827

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.



36.2790, 38.7734, 62.3543



40.5388, 38.7734, 29.3921



31.5270, 38.7734, 50.0140

Square

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



40.5388, 38.7734, 29.3921



32.0498, 38.7734, 32.7981



33.3976, 38.7734, 58.3181



42.1135, 38.7734, 53.2873

Rectangle

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



40.5388, 38.7734, 29.3921



35.3172, 38.7734, 27.3318



33.3976, 38.7734, 58.3181



38.4326, 38.7734, 61.7143

Sweetspot

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



40.5398, 38.7752, 29.3929



86.9587, 89.3812, 89.0503



40.7450, 33.5607, 46.8020



18.3488, 18.7821, 18.4216



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.



40.5398, 38.7752, 29.3929



66.7426, 62.0217, 42.0103



46.3027, 50.3009, 31.3138



10.9275, 11.2242, 11.1533



16.5689, 10.6549, 1.1833



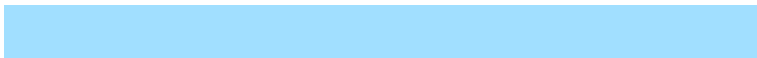
0.8522, 0.6398, 0.0786

Inverse Universe

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



36.7099, 41.3662, 60.0827



58.9351, 67.2759, 104.4871



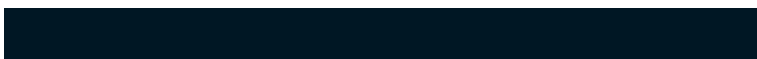
31.4065, 30.7594, 58.3149



10.6274, 11.4288, 13.5634



11.8870, 13.1680, 36.6595



0.6284, 0.7546, 1.7577

Previews

White Background



This preview shows how the XYZ color 40.5388, 38.7734, 29.3921 looks on a white background.

Color Contrast Check

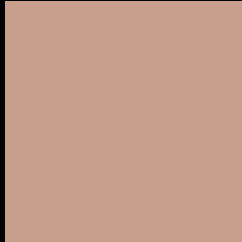
Large Text (above 18pt) WCAG AA × Fail

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 40.5388, 38.7734, 29.3921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

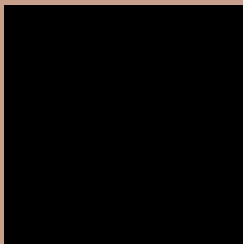
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5388, 38.7734, 29.3921

Background



This preview shows how black text looks on a background with the XYZ color 40.5388, 38.7734, 29.3921.



This preview shows how white text looks on a background with the XYZ color 40.5388, 38.7734,

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

40.5388, 38.7734, 29.3921

Protanopia

36.6057, 38.8205, 31.1550

Deuteranopia

39.5804, 38.7941, 29.4466



Tritanopia

43.0535, 38.7893, 41.7771

Trichromacy



Original Color

40.5388, 38.7734, 29.3921

Protanomaly

37.8503, 38.6644, 30.6673

Deuteranomaly

39.9232, 38.7124, 29.4128

Tritanomaly

41.9766, 38.5947, 36.6896

Monochromacy



Original Color

40.5388, 38.7734, 29.3921

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.4491, 39.0822, 37.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5388, 38.7734, 29.3921 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, 159, 138)` looks like.

```
.text, #text, p{  
    color:rgb(199, 159, 138)  
}
```

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, 159, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 159, 138) }
```

Border

The CSS property to change the border of an element to XYZ 40.5388, 38.7734, 29.3921 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, 159, 138) }
```


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

```
.border{ border-color:rgb(199, 159, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 159, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 159, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 159, 138);  
box-shadow:4px 4px 4px 4px rgb(199, 159,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5388, 38.7734, 29.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 159, 138) }
```

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

```
.background{ background-color: rgb(199,  
159, 138) }
```

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