

Converting Colors

XYZ(40.4906, 38.4037, 30.9371)

Have a look what the booklet for
XYZ(40.4906, 38.4037, 30.9371)
contains.

XYZ(40.3980, 38.4125, 30.8763)	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(40.3980, 38.4125,
30.8763)**

Conversions

Conversions Part 1

Format	Color
Hex	C69E8E
RGB	198, 158, 142
RGB Percent	78%, 62%, 56%
CMY	0.2235, 0.3804, 0.4431
CMYK	0.00, 0.20, 0.28, 0.22
HSL	17°, 33%, 67%
HSV	17°, 28%, 78%
XYZ	40.3980, 38.4125, 30.8763
YIQ	168.1360, 28.9760, 3.5040

Conversions

Conversions Part 2

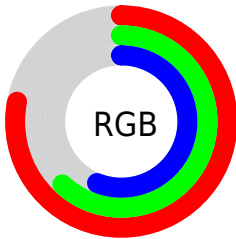
Format	Color
R _Y B	198, 164, 142
Decimal	13016718
CIE Lab	68.32, 12.47, 13.99
CIE LCh	68, 18.739, 48.286
Yxy	38.4125, 0.3683, 0.3502
Android (android.graphics.Color)	4291206798 (0xFFC69E8E)
YUV	168.1360, -12.8850, 26.1907
Hunter-Lab	61.9778, 7.8876, 13.8472

Details

The XYZ color **40.3980, 38.4125, 30.8763** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **38.0757, 43.2824, 59.7736**, and the grayscale version is **37.3384, 39.2829, 42.7791**.

A 20% lighter version of the original color is **74.9981, 72.8340, 62.3301**, and **18.5172, 17.1277, 12.4552** is the 20% darker color. If you saturate the color by 10%, you get **36.7667, 33.3212, 22.9716**, and if you desaturate by 10%, it is **44.5730, 44.1682, 40.2659**.

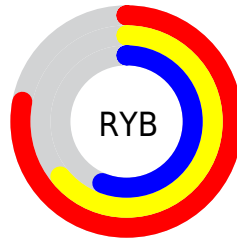
Distribution



Red (78%)

Green (62%)

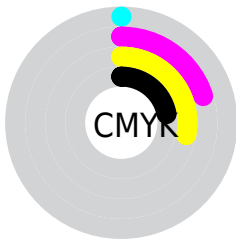
Blue (56%)



Red (78%)

Yellow (64%)

Blue (56%)

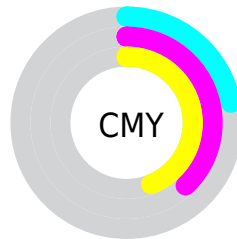


Cyan (0%)

Magenta (20%)

Yellow (28%)

Black (22%)



Cyan (22%)


Magenta (38%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3980, 38.4125, 30.8763 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 40.3980, 38.4125, 30.8763 by changing the saturation by 10% instead.


 40.3980, 38.4125,
30.8763


 40.3980, 38.4125,
30.8763


338.9040,
339.3862, 320.3016


 28.0346, 26.3030,
20.2470


 75.0497, 72.7400,
62.1226

 18.4923, 17.0505,
12.3889


 98.0687, 95.7267,
83.5766

 11.4058, 10.2705,
6.8833


 125.3702,
123.1080, 109.4760

 6.4098, 5.5787,
3.3119

157.3197,
155.2682, 140.2392

 3.1388, 2.5906,
1.2560

194.2825,
192.5917, 176.2848

 1.2276, 0.9219,
0.0253

236.6238,

 0.1280, 0.0000,

235.4630, 218.0314

0.0000

284.7092,
284.2663, 265.8975

■ 0.0000, 0.0000,
0.0000

■ 40.3980, 38.4125,
30.8763

■ 40.3980, 38.4125,
30.8763

■ 36.7667, 33.3212,
22.9716

■ 44.5730, 44.1682,
40.2659

■ 33.6527, 28.8646,
16.4727

■ 49.3106, 50.6059,
51.2091

■ 31.0319, 25.0186,
11.2966

■ 54.6324, 57.7493,
63.7734

■ 28.8769, 21.7554,
7.3508

■ 60.5579, 65.6194,
78.0213

■ 27.1572, 19.0450,
4.5303

■ 67.1057, 74.2360,
94.0121

■ 25.8383, 16.8542,
2.7126

■ 73.3453, 83.2391,
106.8088

■ 24.8721, 15.1428,
1.7096

■ 77.0987, 90.7458,
108.0599

■ 24.7315, 14.8913,
1.5708

Harmonies

Analogous

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



42.1387, 38.4125, 36.9527



40.3980, 38.4125, 30.8763



37.6685, 38.4125, 27.9031

Triad

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



40.3980, 38.4125, 30.8763



31.2549, 38.4125, 38.6263



38.3106, 38.4125, 59.1370

Complementary

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



40.3980, 38.4125, 30.8763



38.0757, 43.2824, 59.7736

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.



35.3754, 38.4125, 59.7436



40.3980, 38.4125, 30.8763



31.4062, 38.4125, 47.1071

Square

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



40.3980, 38.4125, 30.8763



32.4546, 38.4125, 31.9596



32.8797, 38.4125, 55.0963



40.8897, 38.4125, 53.5358

Rectangle

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



40.3980, 38.4125, 30.8763



35.7021, 38.4125, 27.7751



32.8797, 38.4125, 55.0963



37.3298, 38.4125, 59.9569

Sweetspot

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



40.3990, 38.4143, 30.8771



87.4645, 89.8088, 91.0196



41.4192, 34.7350, 48.8499



18.4321, 18.8324, 18.8079



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.



40.3990, 38.4143, 30.8771



67.4231, 62.2728, 45.6588



45.7022, 49.0206, 32.6448



10.8766, 11.1224, 11.1363



16.1475, 9.8121, 1.0429



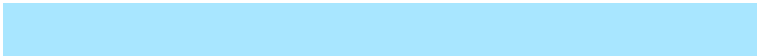
0.8279, 0.5912, 0.0705

Inverse Universe

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



38.0757, 43.2824, 59.7736



62.6210, 72.2950, 105.2616



32.9263, 32.9836, 58.0571



10.6807, 11.5355, 13.5811



12.9388, 15.2715, 37.0101



0.6722, 0.8423, 1.7723

Previews

White Background



This preview shows how the XYZ color 40.3980, 38.4125, 30.8763 looks on a white background.

Color Contrast Check

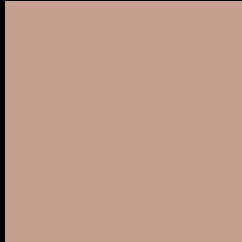
Large Text (above 18pt) WCAG AA × Fail

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 40.3980, 38.4125, 30.8763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

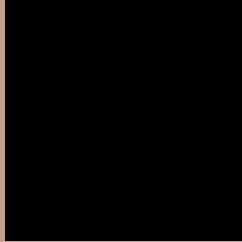
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.3980, 38.4125, 30.8763

Background



This preview shows how black text looks on a background with the XYZ color 40.3980, 38.4125, 30.8763.



This preview shows how white text looks on a background with the XYZ color 40.3980, 38.4125,

30.8763.

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

40.3980, 38.4125, 30.8763

Protanopia

36.5037, 38.4617, 32.6940

Deuteranopia

39.1915, 38.3011, 30.9184



Tritanopia

42.5259, 38.2819, 41.2242

Trichromacy



Original Color

40.3980, 38.4125, 30.8763

Protanomaly

37.7365, 38.3060, 32.1929

Deuteranomaly

39.5288, 38.2186, 30.8847

Tritanomaly

41.6266, 38.1564, 37.0692

Monochromacy



Original Color

40.3980, 38.4125, 30.8763

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.1239, 38.6378, 38.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3980, 38.4125, 30.8763 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(198, 158, 142)` looks like.

```
.text, #text, p{  
    color:rgb(198, 158, 142)  
}
```

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(198, 158, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 142) }
```

Border

The CSS property to change the border of an element to XYZ 40.3980, 38.4125, 30.8763 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(198, 158, 142) }
```


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

```
.border{ border-color:rgb(198, 158, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 158, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 158, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 158, 142); box-shadow:4px 4px 4px 4px rgb(198, 158, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3980, 38.4125, 30.8763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 142) }
```

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

```
.background{ background-color: rgb(198,  
158, 142) }
```

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