

Converting Colors

XYZ(38.8688, 38.8892, 43.2170)

Have a look what the booklet for
XYZ(38.8688, 38.8892, 43.2170)
contains.

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Color

**XYZ(38.7970, 38.8805,
42.9960)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A4A9
RGB	178, 164, 169
RGB Percent	70%, 64%, 66%
CMY	0.3020, 0.3568, 0.3373
CMYK	0.00, 0.08, 0.05, 0.30
HSL	339°, 8%, 67%
HSV	339°, 8%, 70%
XYZ	38.7970, 38.8805, 42.9960
YIQ	168.7560, 6.7390, 4.5230

Conversions

Conversions Part 2

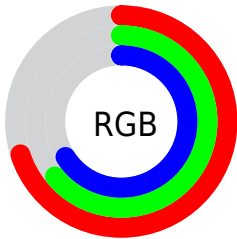
Format	Color
RYB	178, 164, 169
Decimal	11707561
CIELab	68.66, 5.97, -0.76
CIELCh	69, 6.014, 352.772
Yxy	38.8805, 0.3215, 0.3222
Android (android.graphics.Color)	4289897641 (0xFFB2A4A9)
YUV	168.7560, 0.1203, 8.1070
Hunter-Lab	62.3542, 1.9434, 2.7649

Details

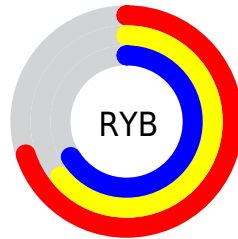
The XYZ color **38.7970, 38.8805, 42.9960** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.7746, 42.7514, 45.7455**, and the grayscale version is **37.5896, 39.5471, 43.0668**.

A 20% lighter version of the original color is **72.7177, 73.5373, 80.8825**, and **17.4625, 17.2327, 19.2355** is the 20% darker color. If you saturate the color by 10%, you get **34.8041, 32.5393, 36.5940**, and if you desaturate by 10%, it is **43.3321, 46.1545, 50.0438**.

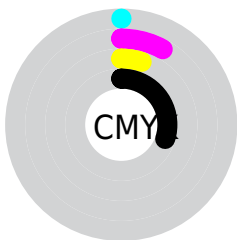
Distribution



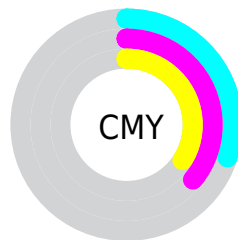
- Red (70%)
- Green (64%)
- Blue (66%)



- Red (70%)
- Yellow (64%)
- Blue (66%)



- Cyan (0%)
- Magenta (8%)
- Yellow (5%)
- Black (30%)



- Cyan (30%)
- Magenta (36%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7970, 38.8805, 42.9960 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 38.7970, 38.8805, 42.9960 by changing the saturation by 10% instead.

■ 38.7970, 38.8805,
42.9960

■ 38.7970, 38.8805,
42.9960

332.2487,
341.3822, 374.5161

■ 26.7819, 26.6668,
29.5506

■ 72.6242, 73.4557,
80.9911

■ 17.5452, 17.3231,
19.2486

■ 95.1669, 96.5860,
106.3779

■ 10.7217, 10.4651,
11.6714

121.9495,
124.1240, 136.5823

■ 5.9459, 5.7084,
6.4005

153.3374,
156.4539, 172.0227

■ 2.8526, 2.6686,
3.0174

189.6959,
193.9604, 213.1177

■ 1.0763, 0.9613,
1.1035

231.3904,

■ 0.0051, 0.0000,

237.0276, 260.2860

0.0000

278.7862,
286.0401, 313.9459

■ 0.0000, 0.0000,
0.0000

■ 38.7970, 38.8805,
42.9960

■ 38.7970, 38.8805,
42.9960

■ 34.8041, 32.5393,
36.5940

■ 43.3321, 46.1545,
50.0438

■ 31.3292, 27.0879,
30.8164

■ 48.4256, 54.3917,
57.7528

■ 28.3513, 22.4876,
25.6444

■ 54.0974, 63.6276,
66.1411

■ 25.8464, 18.6950,
21.0573

■ 60.3652, 73.8942,
75.2252

■ 23.7887, 15.6626,
17.0327

■ 67.2460, 85.2222,
85.0212

■ 22.1497, 13.3380,
13.5472

■ 69.5050, 87.1390,
93.7940

■ 20.8974, 11.6621,
10.5751

■ 71.2378, 87.8321,
102.9186

■ 19.9948, 10.5659,
8.0881

■ 72.1703, 88.2051,
107.8292

■ 19.3847, 9.9409,
6.0502

Harmonies

Analogous

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



38.4286, 38.8805, 45.5793



38.7970, 38.8805, 42.9960



38.6650, 38.8805, 40.3411

Triad

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



38.7970, 38.8805, 42.9960



36.2521, 38.8805, 37.6907



35.8604, 38.8805, 46.6386

Complementary

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



38.7970, 38.8805, 42.9960



38.7746, 42.7514, 45.7455

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.



35.2956, 38.8805, 44.3920



38.7970, 38.8805, 42.9960



35.5191, 38.8805, 39.2470

Square

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



38.7970, 38.8805, 42.9960



37.1851, 38.8805, 37.3528



35.1718, 38.8805, 41.6793



36.7254, 38.8805, 47.7400

Rectangle

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



38.7970, 38.8805, 42.9960



38.3122, 38.8805, 38.8796



35.1718, 38.8805, 41.6793



35.6298, 38.8805, 45.9878

Sweetspot

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



38.7981, 38.8822, 42.9968



75.0281, 77.9872, 85.2756



38.5168, 38.6362, 47.5475



16.6423, 17.3098, 18.9235



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.7981, 38.8822, 42.9968



69.3667, 68.9295, 76.4055



38.6743, 39.3710, 40.6850



8.6175, 8.5537, 9.4843



13.8174, 7.0445, 4.1985



0.4632, 0.2330, 0.2820

Inverse Universe

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



38.7981, 38.8822, 42.9968



69.3667, 68.9295, 76.4055



38.8985, 42.2109, 48.2173



8.6175, 8.5537, 9.4843



13.8174, 7.0445, 4.1985



0.4632, 0.2330, 0.2820

Previews

White Background



This preview shows how the XYZ color 38.7970, 38.8805, 42.9960 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 38.7970, 38.8805, 42.9960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

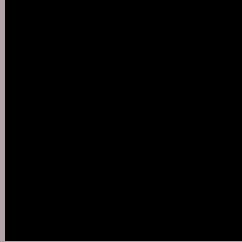
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7970, 38.8805, 42.9960

Background



This preview shows how black text looks on a background with the XYZ color 38.7970, 38.8805, 42.9960.



This preview shows how white text looks on a background with the XYZ color 38.7970, 38.8805,

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

38.7970, 38.8805, 42.9960

Protanopia

37.7470, 39.1238, 44.0902

Deuteranopia

39.6102, 38.7725, 42.9323



Tritanopia

39.5241, 38.9127, 46.5021

Trichromacy



Original Color

38.7970, 38.8805, 42.9960

Protanomaly

38.1255, 39.0590, 43.5599

Deuteranomaly

39.3147, 38.8827, 42.9691

Tritanomaly

39.2304, 38.7952, 44.9557

Monochromacy



Original Color

38.7970, 38.8805, 42.9960

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.9934, 39.2727, 43.1140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7970, 38.8805, 42.9960 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(178, 164, 169)` looks like.

```
.text, #text, p{  
    color:rgb(178, 164, 169)  
}
```

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(178, 164, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 164, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.7970, 38.8805, 42.9960 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(178, 164, 169) }
```


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

```
.border{ border-color:rgb(178, 164, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 164, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 164, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 164, 169);  
box-shadow:4px 4px 4px 4px rgb(178, 164,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7970, 38.8805, 42.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 164, 169) }
```

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

```
.background{ background-color: rgb(178,  
164, 169) }
```

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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