

Converting Colors

XYZ(38.6389, 41.2303, 42.9681)

Have a look what the booklet for
XYZ(38.6389, 41.2303, 42.9681)
contains.

XYZ(38.5890, 41.2603, 42.9760)	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(38.5890, 41.2603,
42.9760)**

Conversions

Conversions Part 1

Format	Color
Hex	AAADA8
RGB	170, 173, 168
RGB Percent	67%, 68%, 66%
CMY	0.3333, 0.3216, 0.3412
CMYK	0.02, 0.00, 0.03, 0.32
HSL	96°, 3%, 67%
HSV	96°, 3%, 68%
XYZ	38.5890, 41.2603, 42.9760
YIQ	171.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

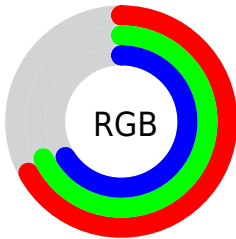
Format	Color
RYB	168, 173, 171
Decimal	11185576
CIELab	70.36, -2.00, 2.19
CIElCh	70, 2.960, 132.413
Yxy	41.2603, 0.3142, 0.3359
Android (android.graphics.Color)	4289375656 (0xFFAAADA8)
YUV	171.5330, -1.7418, -1.3444
Hunter-Lab	64.2342, -5.1751, 5.2958

Details

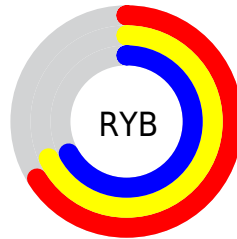
The XYZ color **38.5890, 41.2603, 42.9760** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3416, 39.6815, 45.1757**, and the grayscale version is **38.9864, 41.0167, 44.6672**.

A 20% lighter version of the original color is **72.1140, 76.8221, 80.8394**, and **17.4610, 18.7873, 19.2290** is the 20% darker color. If you saturate the color by 10%, you get **34.9266, 39.5474, 34.9436**, and if you desaturate by 10%, it is **42.6456, 43.1539, 52.1480**.

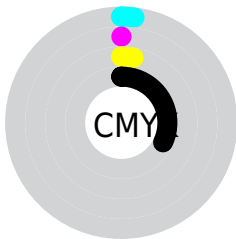
Distribution



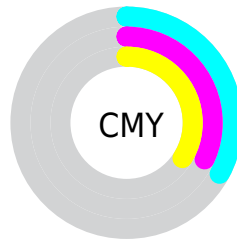
- Red (67%)
- Green (68%)
- Blue (66%)



- Red (66%)
- Yellow (68%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (32%)



- Cyan (33%)
- Magenta (32%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5890, 41.2603, 42.9760 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 38.5890, 41.2603, 42.9760 by changing the saturation by 10% instead.

■ 38.5890, 41.2603,
42.9760

■ 38.5890, 41.2603,
42.9760

331.3773,
351.4074, 374.4314

■ 26.6194, 28.5225,
29.5350

■ 72.3081, 77.0789,
80.9606

■ 17.4227, 18.7199,
19.2369

■ 94.7884, 100.9285,
106.3413

■ 10.6335, 11.4681,
11.6630

121.5029,
129.2508, 136.5390

■ 5.8864, 6.3826,
6.3949

152.8171,
162.4303, 171.9723

■ 2.8161, 3.0791,
3.0140

189.0963,
200.8513, 213.0596

■ 1.0573, 1.1732,
1.1018

230.7058,

■ 0.0000, 0.0396,

244.8982, 260.2195

0.0000

278.0110,
294.9554, 313.8706

■ 0.0000, 0.0000,
0.0000

■ 38.5890, 41.2603,
42.9760

■ 38.5890, 41.2603,
42.9760

■ 34.9266, 39.5474,
34.9436

■ 42.6456, 43.1539,
52.1480

■ 31.6424, 38.0046,
28.0035

■ 47.1048, 45.2282,
62.4989

■ 28.7244, 36.6277,
22.1095

■ 51.9790, 47.4900,
74.0694

■ 26.1586, 35.4108,
17.2105

■ 57.2792, 49.9439,
86.8975

■ 23.9300, 34.3472,
13.2515

■ 63.0159, 52.5946,
101.0196

■ 22.0223, 33.4300,
10.1721

■ 66.3740, 54.3165,
101.5936

■ 20.4179, 32.6514,
7.9048

■ 69.8515, 56.1092,
101.7563

■ 19.0968, 32.0029,
6.3722

■ 73.5316, 58.0064,
101.9286

■ 18.0359, 31.4746,
5.4821

■ 74.2344, 58.3687,
101.9615

Harmonies

Analogous

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



39.0159, 41.2603, 42.3590



38.5890, 41.2603, 42.9760



38.3315, 41.2603, 44.1207

Triad

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



38.5890, 41.2603, 42.9760



38.9346, 41.2603, 47.5285



40.1376, 41.2603, 44.3519

Complementary

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



38.5890, 41.2603, 42.9760



38.3416, 39.6815, 45.1757

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.



40.1154, 41.2603, 45.7400



38.5890, 41.2603, 42.9760



39.4181, 41.2603, 47.5935

Square

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



38.5890, 41.2603, 42.9760



38.5299, 41.2603, 46.7571



39.8511, 41.2603, 46.9330



39.9115, 41.2603, 43.1423

Rectangle

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



38.5890, 41.2603, 42.9760



38.2893, 41.2603, 45.0384



39.8511, 41.2603, 46.9330



40.1589, 41.2603, 44.8127

Sweetspot

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



38.5902, 41.2621, 42.9769



70.4168, 74.5053, 79.8865



38.8660, 40.8389, 42.8807



15.3118, 16.1957, 17.3805



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



38.5902, 41.2621, 42.9769



68.9987, 73.8429, 76.7186



38.2078, 41.0596, 43.2028



8.6660, 9.3095, 9.5708



12.8502, 22.9216, 3.7470



0.4202, 0.6700, 0.1072

Inverse Universe

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



38.3416, 39.6815, 45.1757



68.5294, 70.8580, 80.8708



38.7322, 39.8884, 44.9417



8.5940, 8.8513, 10.2082



9.7881, 4.4058, 29.3790



0.3318, 0.1532, 0.8201

Previews

White Background



This preview shows how the XYZ color 38.5890, 41.2603, 42.9760 looks on a white background.

Color Contrast Check

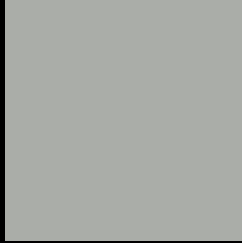
Large Text (above 18pt) WCAG AA × Fail

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 38.5890, 41.2603, 42.9760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

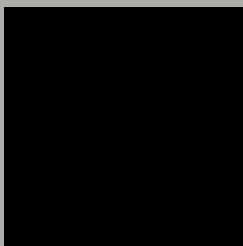
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

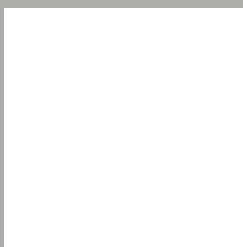
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5890, 41.2603, 42.9760

Background



This preview shows how black text looks on a background with the XYZ color 38.5890, 41.2603, 42.9760.



This preview shows how white text looks on a background with the XYZ color 38.5890, 41.2603,

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

38.5890, 41.2603, 42.9760

Protanopia

39.4425, 41.1459, 42.4223

Deuteranopia

41.7839, 40.9558, 43.2391



Tritanopia

40.2279, 41.3572, 51.2099

Trichromacy



Original Color

38.5890, 41.2603, 42.9760

Protanomaly

39.1831, 41.2937, 42.4645

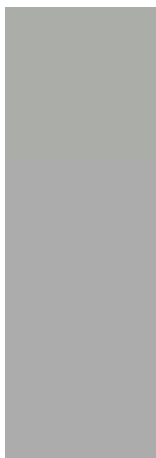
Deuteranomaly

40.6408, 41.1856, 43.3437

Tritanomaly

39.5830, 41.3773, 48.0199

Monochromacy



Original Color

38.5890, 41.2603, 42.9760

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.8978, 41.1032, 44.4117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5890, 41.2603, 42.9760 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(170, 173, 168)` looks like.

```
.text, #text, p{  
    color:rgb(170, 173, 168)  
}
```

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(170, 173, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 173, 168) }
```

Border

The CSS property to change the border of an element to XYZ 38.5890, 41.2603, 42.9760 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(170, 173, 168) }
```


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

```
.border{ border-color:rgb(170, 173, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 173, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 173, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 173, 168);  
box-shadow:4px 4px 4px 4px rgb(170, 173,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5890, 41.2603, 42.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 173, 168) }
```

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

```
.background{ background-color: rgb(170,  
173, 168) }
```

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