

Converting Colors

XYZ(38.6903, 40.4467, 44.6615)

Have a look what the booklet for
XYZ(38.6903, 40.4467, 44.6615)
contains.

XYZ(38.6157, 40.3859, 44.7897)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(38.6157, 40.3859,
44.7897)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAAAC
RGB	171, 170, 172
RGB Percent	67%, 67%, 67%
CMY	0.3294, 0.3333, 0.3255
CMYK	0.01, 0.01, 0.00, 0.33
HSL	270°, 1%, 67%
HSV	270°, 1%, 67%
XYZ	38.6157, 40.3859, 44.7897
YIQ	170.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

Format	Color
RYB	171, 170, 172
Decimal	11250348
CIELab	69.74, 0.74, -0.91
CIELCh	70, 1.170, 309.031
Yxy	40.3859, 0.3119, 0.3262
Android (android.graphics.Color)	4289440428 (0xFFABAAAC)
YUV	170.5270, 0.7262, 0.4148
Hunter-Lab	63.5499, -2.7479, 2.6976

Details

The XYZ color **38.6157, 40.3859, 44.7897** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8043, 41.0663, 43.9136**, and the grayscale version is **38.4691, 40.4724, 44.0745**.

A 20% lighter version of the original color is **72.1544, 75.5652, 83.4557**, and **17.4763, 18.2349, 20.3679** is the 20% darker color. If you saturate the color by 10%, you get **33.7852, 33.4192, 43.7002**, and if you desaturate by 10%, it is **43.9926, 48.2628, 46.0273**.

Distribution



Red (67%)

Green (67%)

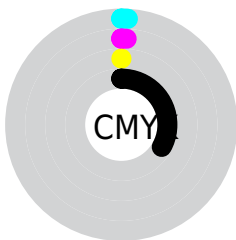
Blue (67%)



Red (67%)

Yellow (67%)

Blue (67%)

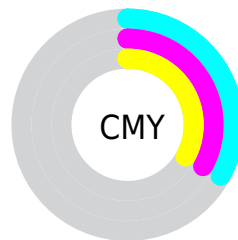


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6157, 40.3859, 44.7897 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 38.6157, 40.3859, 44.7897 by changing the saturation by 10% instead.

■ 38.6157, 40.3859,
44.7897

■ 38.6157, 40.3859,
44.7897

331.4892,
347.7474, 382.0564

■ 26.6403, 27.8396,
30.9501

■ 72.3487, 75.7508,
83.7198

■ 17.4384, 18.2047,
20.3027

94.8370, 99.3381,
109.6474

■ 10.6448, 11.0971,
12.4290

121.5603,
127.3746, 140.4414

■ 5.8941, 6.1322,
6.9105

152.8839,
160.2445, 176.5204

■ 2.8208, 2.9256,
3.3286

189.1733,
198.3324, 218.3028

■ 1.0597, 1.0930,
1.2648

230.7937,

■ 0.0000, 0.0000,

242.0226, 266.2073

0.0326

278.1106,
291.6994, 320.6523

■ 0.0000, 0.0000,
0.0000

■ 38.6157, 40.3859,
44.7897

■ 38.6157, 40.3859,
44.7897

■ 33.7852, 33.4192,
43.7002

■ 43.9926, 48.2628,
46.0273

■ 29.4792, 27.3238,
42.7506

■ 49.9300, 57.0767,
47.4156

■ 25.6790, 22.0656,
41.9360

■ 56.4459, 66.8594,
48.9605

■ 22.3637, 17.6064,
41.2500

■ 63.5563, 77.6401,
50.6666

■ 19.5107, 13.9046,
40.6858

■ 70.9554, 88.8037,
52.4314

■ 17.0953, 10.9150,
40.2361

■ 73.5366, 90.1343,
52.5522

■ 15.0906, 8.5874,
39.8925

■ 76.2527, 91.5346,
52.6793

■ 13.4657, 6.8646,
39.6456

■ 79.1057, 93.0053,
52.8128

■ 12.1849, 5.6792,
39.4843

■ 82.0974, 94.5476,
52.9528

Harmonies

Analogous

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



38.4429, 40.3859, 45.0129



38.6157, 40.3859, 44.7897



38.7271, 40.3859, 44.3482

Triad

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



38.6157, 40.3859, 44.7897



38.5162, 40.3859, 43.0053



38.0265, 40.3859, 44.1375

Complementary

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



38.6157, 40.3859, 44.7897



38.8043, 41.0663, 43.9136

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.



38.0461, 40.3859, 43.6007



38.6157, 40.3859, 44.7897



38.3284, 40.3859, 42.9499

Square

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



38.6157, 40.3859, 44.7897



38.6696, 40.3859, 43.3189



38.1564, 40.3859, 43.1670



38.1030, 40.3859, 44.6344

Rectangle

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



38.6157, 40.3859, 44.7897



38.7514, 40.3859, 43.9910



38.1564, 40.3859, 43.1670



38.0221, 40.3859, 43.9557

Sweetspot

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



38.6168, 40.3876, 44.7906



71.1368, 74.8414, 81.5023



38.5946, 40.6645, 44.8452



15.4596, 16.2647, 17.7123



82.5889, 86.8899, 94.6231

Same Dimension

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



38.6168, 40.3876, 44.7906



70.1883, 73.4609, 81.2858



38.8282, 40.4966, 44.8005



8.8848, 9.3032, 10.2801



8.4527, 3.7174, 29.3165



0.2983, 0.1360, 0.8185

Inverse Universe

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



38.7401, 40.4622, 44.2982



70.3843, 73.5795, 80.5024



38.5945, 40.9581, 43.9038



8.9075, 9.3170, 10.1895



13.9418, 7.0393, 7.3391



0.4155, 0.2069, 0.3497

Previews

White Background



This preview shows how the XYZ color 38.6157, 40.3859, 44.7897 looks on a white background.

Color Contrast Check

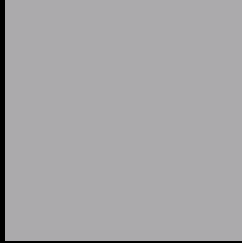
Large Text (above 18pt) WCAG AA × Fail

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 38.6157, 40.3859, 44.7897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

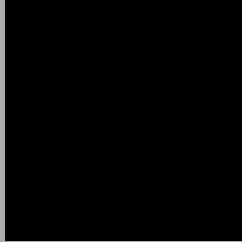
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6157, 40.3859, 44.7897

Background



This preview shows how black text looks on a background with the XYZ color 38.6157, 40.3859, 44.7897.

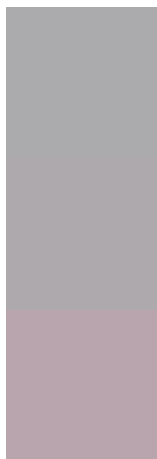


This preview shows how white text looks on a background with the XYZ color 38.6157, 40.3859,

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

38.6157, 40.3859, 44.7897

Protanopia

38.8679, 40.2387, 44.7480

Deuteranopia

41.0055, 40.2417, 45.1414



Tritanopia

39.6797, 40.2669, 49.9369

Trichromacy



Original Color

38.6157, 40.3859, 44.7897

Protanomaly

38.6476, 40.1251, 44.7377

Deuteranomaly

40.1839, 40.3579, 45.2071

Tritanomaly

39.2371, 40.3609, 47.8419

Monochromacy



Original Color

38.6157, 40.3859, 44.7897

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7082, 40.7240, 44.3485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6157, 40.3859, 44.7897 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(171, 170, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 172)  
}
```

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(171, 170, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.6157, 40.3859, 44.7897 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(171, 170, 172) }
```

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

```
.border{ border-color:rgb(171, 170, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
172) }
```


Background

The CSS property to change the background color of an element to XYZ 38.6157, 40.3859, 44.7897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 172) }
```

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

```
.background{ background-color: rgb(171,  
170, 172) }
```

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