

Converting Colors

XYZ(39.1275, 40.7468, 44.4272)

Have a look what the booklet for
XYZ(39.1275, 40.7468, 44.4272)
contains.

XYZ(38.9590, 40.5740, 44.3063)	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(38.9590, 40.5740,
44.3063)**

Conversions

Conversions Part 1

Format	Color
Hex	ADAAAB
RGB	173, 170, 171
RGB Percent	68%, 67%, 67%
CMY	0.3216, 0.3333, 0.3294
CMYK	0.00, 0.02, 0.01, 0.32
HSL	340°, 2%, 67%
HSV	340°, 2%, 68%
XYZ	38.9590, 40.5740, 44.3063
YIQ	171.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

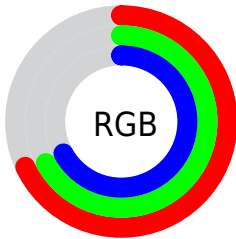
Format	Color
RYB	173, 170, 171
Decimal	11381419
CIELab	69.88, 1.26, -0.14
CIElCh	70, 1.266, 353.517
Yxy	40.5740, 0.3146, 0.3276
Android (android.graphics.Color)	4289571499 (0xFFADAAAB)
YUV	171.0110, -0.0054, 1.7444
Hunter-Lab	63.6977, -2.2963, 3.3480

Details

The XYZ color **38.9590, 40.5740, 44.3063** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9691, 41.4128, 44.9714**, and the grayscale version is **38.7147, 40.7309, 44.3559**.

A 20% lighter version of the original color is **72.6476, 75.8354, 82.7603**, and **17.6934, 18.3537, 20.0628** is the 20% darker color. If you saturate the color by 10%, you get **34.8744, 34.0892, 37.7507**, and if you desaturate by 10%, it is **43.5688, 47.9543, 51.5122**.

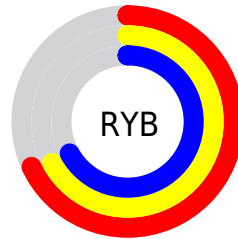
Distribution



Red (68%)

Green (67%)

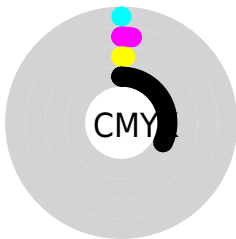
Blue (67%)



Red (68%)

Yellow (67%)

Blue (67%)

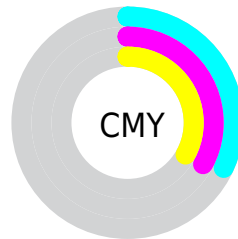


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (32%)



Cyan (32%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9590, 40.5740, 44.3063 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 38.9590, 40.5740, 44.3063 by changing the saturation by 10% instead.

■ 38.9590, 40.5740,
44.3063

■ 38.9590, 40.5740,
44.3063

332.9263,
348.5370, 380.0346

■ 26.9084, 27.9864,
30.5724

■ 72.8702, 76.0368,
82.9858

■ 17.6407, 18.3154,
20.0177

95.4614, 99.6807,
108.7686

■ 10.7904, 11.1767,
12.2237

122.2970,
127.7789, 139.4047

■ 5.9924, 6.1858,
6.7719

153.7422,
160.7157, 175.3127

■ 2.8810, 2.9584,
3.2436

190.1623,
198.8755, 216.9111

■ 1.0912, 1.1100,
1.2203

231.9228,

■ 0.0177, 0.0000,

242.6427, 264.6186

0.0000

279.3890,
292.4018, 318.8536

■ 0.0000, 0.0000,
0.0000

■ 38.9590, 40.5740,
44.3063

■ 38.9590, 40.5740,
44.3063

■ 34.8744, 34.0892,
37.7507

■ 43.5688, 47.9543,
51.5122

■ 31.2926, 28.4606,
31.8244

■ 48.7185, 56.2572,
59.3835

■ 28.1945, 23.6538,
26.5090

■ 54.4261, 65.5148,
67.9379

■ 25.5588, 19.6298,
21.7843

■ 60.7082, 75.7565,
77.1917

■ 23.3620, 16.3467,
17.6286

■ 67.0984, 86.0462,
87.0000

■ 21.5790, 13.7586,
14.0192

■ 68.7622, 86.7117,
95.7617

■ 20.1815, 11.8143,
10.9314

■ 70.5352, 87.4209,
105.0983

■ 19.1380, 10.4555,
8.3385

■ 71.0438, 87.6244,
107.7765

■ 18.4110, 9.6131,
6.2107

Harmonies

Analogous

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



38.8835, 40.5740, 44.8556



38.9590, 40.5740, 44.3063



38.9285, 40.5740, 43.7274

Triad

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



38.9590, 40.5740, 44.3063



38.4066, 40.5740, 43.1469



38.3295, 40.5740, 45.0959

Complementary

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



38.9590, 40.5740, 44.3063



38.9691, 41.4128, 44.9714

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.



38.2026, 40.5740, 44.6321



38.9590, 40.5740, 44.3063



38.2470, 40.5740, 43.5076

Square

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



38.9590, 40.5740, 44.3063



38.6091, 40.5740, 43.0614



38.1724, 40.5740, 44.0503



38.5197, 40.5740, 45.3141

Rectangle

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



38.9590, 40.5740, 44.3063



38.8521, 40.5740, 43.4022



38.1724, 40.5740, 44.0503



38.2780, 40.5740, 44.9634

Sweetspot

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



38.9601, 40.5757, 44.3072



70.3335, 73.5592, 80.2345



38.9322, 40.5391, 45.3086



15.2947, 16.0015, 17.4520



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.



38.9601, 40.5757, 44.3072



69.5399, 72.2936, 78.9788



38.9593, 40.7255, 43.8398



8.8097, 9.1680, 10.0131



13.2375, 6.7575, 3.6300



0.3940, 0.1983, 0.2367

Inverse Universe

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



38.9601, 40.5757, 44.3072



69.5399, 72.2936, 78.9788



38.9696, 41.2600, 45.4458



8.8097, 9.1680, 10.0131



13.2375, 6.7575, 3.6300



0.3940, 0.1983, 0.2367

Previews

White Background



This preview shows how the XYZ color 38.9590, 40.5740, 44.3063 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 38.9590, 40.5740, 44.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

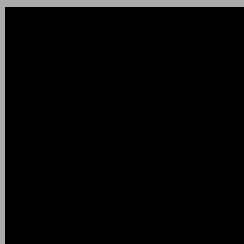
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9590, 40.5740, 44.3063

Background



This preview shows how black text looks on a background with the XYZ color 38.9590, 40.5740, 44.3063.

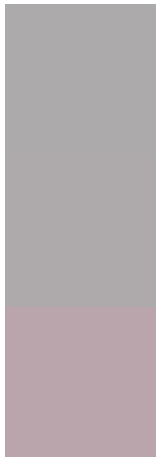


This preview shows how white text looks on a background with the XYZ color 38.9590, 40.5740,

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

38.9590, 40.5740, 44.3063

Protanopia

39.1810, 40.6884, 44.3167

Deuteranopia

41.1512, 40.3279, 44.6449



Tritanopia

40.1253, 40.4966, 49.9578

Trichromacy



Original Color

38.9590, 40.5740, 44.3063

Protanomaly

39.1810, 40.6884, 44.3167

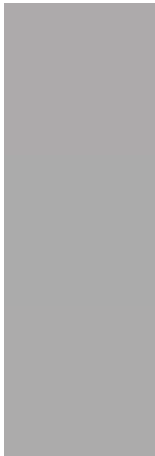
Deuteranomaly

40.3212, 40.4397, 44.7102

Tritanomaly

39.6794, 40.5890, 47.8626

Monochromacy



Original Color

38.9590, 40.5740, 44.3063

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.9269, 40.8368, 44.3587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9590, 40.5740, 44.3063 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(173, 170, 171)` looks like.

```
.text, #text, p{  
    color:rgb(173, 170, 171)  
}
```

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(173, 170, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 170, 171) }
```

Border

The CSS property to change the border of an element to XYZ 38.9590, 40.5740, 44.3063 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(173, 170, 171) }
```


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

```
.border{ border-color:rgb(173, 170, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 170, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 170, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 170, 171);  
box-shadow:4px 4px 4px 4px rgb(173, 170,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9590, 40.5740, 44.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 170, 171) }
```

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

```
.background{ background-color: rgb(173,  
170, 171) }
```

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