

Converting Colors

XYZ(38.3486, 40.1719, 44.0909)

Have a look what the booklet for
XYZ(38.3486, 40.1719, 44.0909)
contains.

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Color

**XYZ(38.5200, 40.3477,
44.2857)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAAAB
RGB	171, 170, 171
RGB Percent	67%, 67%, 67%
CMY	0.3294, 0.3333, 0.3294
CMYK	0.00, 0.01, 0.00, 0.33
HSL	300°, 1%, 67%
HSV	300°, 1%, 67%
XYZ	38.5200, 40.3477, 44.2857
YIQ	170.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

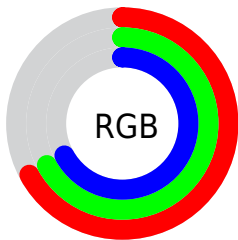
Format	Color
RYB	171, 170, 171
Decimal	11250347
CIELab	69.72, 0.55, -0.40
CIELCh	70, 0.676, 324.134
Yxy	40.3477, 0.3128, 0.3276
Android (android.graphics.Color)	4289440427 (0xFFABAAAB)
YUV	170.4130, 0.2894, 0.5148
Hunter-Lab	63.5198, -2.9129, 3.1272

Details

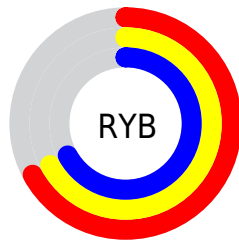
The XYZ color **38.5200, 40.3477, 44.2857** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3977, 40.5752, 43.8404**, and the grayscale version is **38.4141, 40.4146, 44.0115**.

A 20% lighter version of the original color is **72.0167, 75.5102, 82.7307**, and **17.4160, 18.2107, 20.0499** is the 20% darker color. If you saturate the color by 10%, you get **35.5209, 34.3493, 43.2866**, and if you desaturate by 10%, it is **41.9384, 47.1835, 45.4256**.

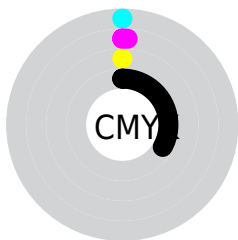
Distribution



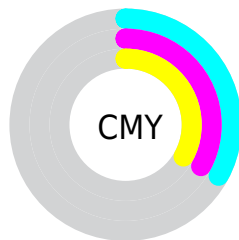
- Red (67%)
- Green (67%)
- Blue (67%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5200, 40.3477, 44.2857 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 38.5200, 40.3477, 44.2857 by changing the saturation by 10% instead.

■ 38.5200, 40.3477,
44.2857

■ 38.5200, 40.3477,
44.2857

331.0878,
347.5869, 379.9483

■ 26.5656, 27.8097,
30.5563

■ 72.2032, 75.6927,
82.9545

■ 17.3821, 18.1823,
20.0056

94.6628, 99.2685,
108.7311

■ 10.6043, 11.0809,
12.2150

121.3547,
127.2924, 139.3604

■ 5.8667, 6.1213,
6.7660

152.6444,
160.1488, 175.2612

■ 2.8041, 2.9190,
3.2400

188.8972,
198.2220, 216.8518

■ 1.0510, 1.0896,
1.2184

230.4784,

■ 0.0000, 0.0000,

241.8965, 264.5508

0.0000

277.7535,
291.5567, 318.7768

■ 38.5200, 40.3477,
44.2857

■ 38.5200, 40.3477,
44.2857

■ 35.5209, 34.3493,
43.2866

■ 41.9384, 47.1835,
45.4256

■ 32.9216, 29.1513,
42.4202

■ 45.7877, 54.8817,
46.7086

■ 30.7064, 24.7212,
41.6819

■ 50.0834, 63.4727,
48.1404

■ 28.8570, 21.0228,
41.0655

■ 54.8393, 72.9840,
49.7256

■ 27.3537, 18.0168,
40.5645

■ 59.9070, 83.1191,
51.4148

■ 26.1751, 15.6599,
40.1717

■ 59.9073, 83.1193,
51.4148

■ 25.2972, 13.9046,
39.8792

■ 59.9076, 83.1194,
51.4148

■ 24.6928, 12.6962,
39.6778

■ 59.9079, 83.1195,
51.4148

■ 24.3299, 11.9707,
39.5569

■ 59.9082, 83.1197,
51.4149

Harmonies

Analogous

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



38.4354, 40.3477, 44.4839



38.5200, 40.3477, 44.2857



38.5589, 40.3477, 43.9934

Triad

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



38.5200, 40.3477, 44.2857



38.3708, 40.3477, 43.3352



38.1576, 40.3477, 44.1786

Complementary

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



38.5200, 40.3477, 44.2857



38.3977, 40.5752, 43.8404

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.



38.1404, 40.3477, 43.8702



38.5200, 40.3477, 44.2857



38.2633, 40.3477, 43.3843

Square

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



38.5200, 40.3477, 44.2857



38.4727, 40.3477, 43.4454



38.1791, 40.3477, 43.5798



38.2262, 40.3477, 44.4218

Rectangle

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



38.5200, 40.3477, 44.2857



38.5536, 40.3477, 43.7848



38.1791, 40.3477, 43.5798



38.1457, 40.3477, 44.0791

Sweetspot

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



38.5211, 40.3494, 44.2866



69.3244, 72.9347, 79.4259



38.3079, 40.2441, 44.2775



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.



38.5211, 40.3494, 44.2866



68.7395, 71.7650, 79.2309



38.4753, 40.3311, 44.0451



8.9251, 9.3240, 10.2820



18.1998, 8.7422, 29.7727



0.5063, 0.2432, 0.8282

Inverse Universe

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



38.4265, 40.3116, 43.7880



68.4444, 71.6469, 77.6765



38.4434, 40.5935, 44.0809



8.8900, 9.3100, 10.0973



12.6607, 6.5268, 0.5928



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 38.5200, 40.3477, 44.2857 looks on a white background.

Color Contrast Check

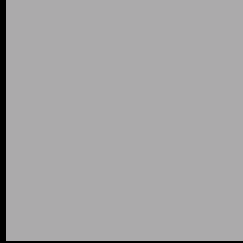
Large Text (above 18pt) WCAG AA × Fail

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 38.5200, 40.3477, 44.2857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

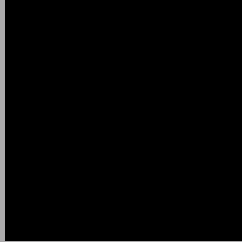
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

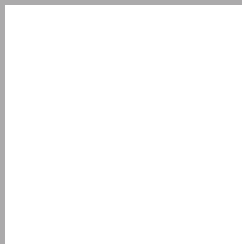
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5200, 40.3477, 44.2857

Background



This preview shows how black text looks on a background with the XYZ color 38.5200, 40.3477, 44.2857.

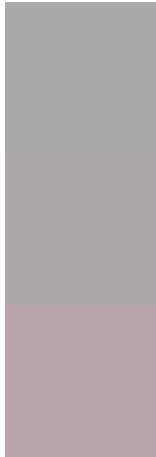


This preview shows how white text looks on a background with the XYZ color 38.5200, 40.3477, 44.2857.

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

38.5200, 40.3477, 44.2857

Protanopia

38.7722, 40.2004, 44.2440

Deuteranopia

41.1512, 40.3279, 44.6449



Tritanopia

39.6797, 40.2669, 49.9369

Trichromacy



Original Color

38.5200, 40.3477, 44.2857

Protanomaly

38.5519, 40.0869, 44.2337

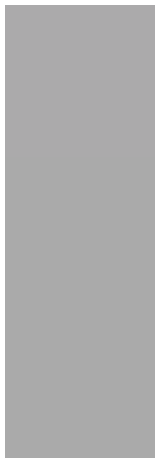
Deuteranomaly

40.3212, 40.4397, 44.7102

Tritanomaly

39.2371, 40.3609, 47.8419

Monochromacy



Original Color

38.5200, 40.3477, 44.2857

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2080, 40.1978, 43.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5200, 40.3477, 44.2857 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 170, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 38.5200, 40.3477, 44.2857 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, 171) }
```

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

```
.border{ border-color:rgb(171, 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(171, 170, 171)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 38.5200, 40.3477, 44.2857 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, 171) }
```

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

```
.background{ background-color: rgb(171,  
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](#).

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