

Converting Colors

XYZ(38.2881, 39.8623, 44.2305)

Have a look what the booklet for
XYZ(38.2881, 39.8623, 44.2305)
contains.

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Color

**XYZ(38.3332, 39.9741,
44.2235)**

Conversions

Conversions Part 1

Format	Color
Hex	ABA9AB
RGB	171, 169, 171
RGB Percent	67%, 66%, 67%
CMY	0.3294, 0.3372, 0.3294
CMYK	0.00, 0.01, 0.00, 0.33
HSL	300°, 1%, 67%
HSV	300°, 1%, 67%
XYZ	38.3332, 39.9741, 44.2235
YIQ	169.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

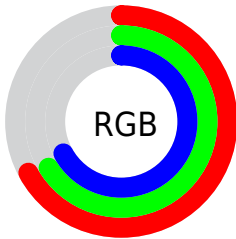
Format	Color
RYB	171, 169, 171
Decimal	11250091
CIELab	69.45, 1.09, -0.78
CIElCh	69, 1.344, 324.332
Yxy	39.9741, 0.3128, 0.3262
Android (android.graphics.Color)	4289440171 (0xFFABA9AB)
YUV	169.8260, 0.5788, 1.0296
Hunter-Lab	63.2251, -2.4198, 2.7865

Details

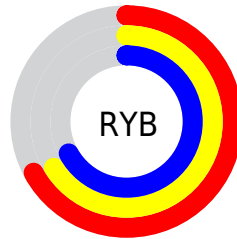
The XYZ color **38.3332, 39.9741, 44.2235** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0881, 40.4265, 43.3338**, and the grayscale version is **38.1198, 40.1050, 43.6743**.

A 20% lighter version of the original color is **71.7472, 74.9710, 82.6409**, and **17.2988, 17.9764, 20.0108** is the 20% darker color. If you saturate the color by 10%, you get **35.3578, 34.0234, 43.2323**, and if you desaturate by 10%, it is **41.7270, 46.7604, 45.3551**.

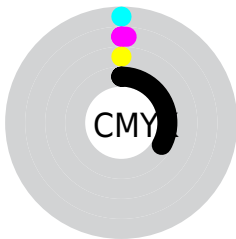
Distribution



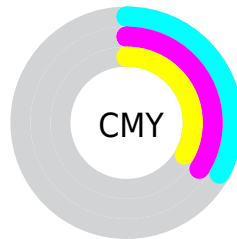
- Red (67%)
- Green (66%)
- Blue (67%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3332, 39.9741, 44.2235 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 38.3332, 39.9741, 44.2235 by changing the saturation by 10% instead.

■ 38.3332, 39.9741,
44.2235

■ 38.3332, 39.9741,
44.2235

330.3034,
346.0144, 379.6876

■ 26.4198, 27.5184,
30.5078

■ 71.9192, 75.1241,
82.8600

■ 17.2723, 17.9629,
19.9690

■ 94.3224, 98.5871,
108.6179

■ 10.5253, 10.9234,
12.1887

120.9530,
126.4880, 139.2269

■ 5.8135, 6.0153,
6.7482

152.1763,
159.2111, 175.1055

■ 2.7716, 2.8544,
3.2291

188.3576,
197.1410, 216.6724

■ 1.0342, 1.0562,
1.2128

229.8623,

■ 0.0000, 0.0000,

240.6619, 264.3460

0.0000

277.0558,
290.1582, 318.5448

■ 38.3332, 39.9741,
44.2235

■ 38.3332, 39.9741,
44.2235

■ 35.3578, 34.0234,
43.2323

■ 41.7270, 46.7604,
45.3551

■ 32.7813, 28.8711,
42.3736

■ 45.5508, 54.4073,
46.6296

■ 30.5877, 24.4848,
41.6426

■ 49.8203, 62.9455,
48.0526

■ 28.7589, 20.8279,
41.0331

■ 54.5490, 72.4023,
49.6287

■ 27.2751, 17.8609,
40.5387

■ 59.7502, 82.8040,
51.3623

■ 26.1145, 15.5406,
40.1519

■ 59.9085, 83.1199,
51.4149

■ 25.2532, 13.8187,
39.8650

■ 59.9090, 83.1201,
51.4150

■ 24.6637, 12.6403,
39.6686

■ 59.9095, 83.1204,
51.4150

■ 24.3135, 11.9407,
39.5520

■ 59.9100, 83.1206,
51.4150

Harmonies

Analogous

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



38.1659, 39.9741, 44.6198



38.3332, 39.9741, 44.2235



38.4097, 39.9741, 43.6428

Triad

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



38.3332, 39.9741, 44.2235



38.0353, 39.9741, 42.3500



37.6163, 39.9741, 44.0178

Complementary

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



38.3332, 39.9741, 44.2235



38.0881, 40.4265, 43.3338

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.



37.5817, 39.9741, 43.4074



38.3332, 39.9741, 44.2235



37.8230, 39.9741, 42.4483

Square

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



38.3332, 39.9741, 44.2235



38.2373, 39.9741, 42.5641



37.6572, 39.9741, 42.8339



37.7521, 39.9741, 44.5002

Rectangle

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



38.3332, 39.9741, 44.2235



38.3987, 39.9741, 43.2307



37.6572, 39.9741, 42.8339



37.5925, 39.9741, 43.8206

Sweetspot

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



38.3343, 39.9758, 44.2244



69.3244, 72.9347, 79.4259



37.9088, 39.7656, 44.2062



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.



38.3343, 39.9758, 44.2244



68.7395, 71.7649, 79.2309



38.2427, 39.9392, 43.7415



8.9250, 9.3240, 10.2820



18.1984, 8.7415, 29.7726



0.5063, 0.2432, 0.8282

Inverse Universe

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



38.1454, 39.9003, 43.2293



68.4444, 71.6469, 77.6766



38.1790, 40.4629, 43.8129



8.8900, 9.3100, 10.0973



12.6608, 6.5268, 0.5931



0.3522, 0.1816, 0.0166

Previews

White Background



This preview shows how the XYZ color 38.3332, 39.9741, 44.2235 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 38.3332, 39.9741, 44.2235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

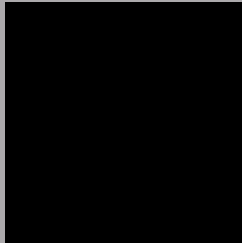
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3332, 39.9741, 44.2235

Background



This preview shows how black text looks on a background with the XYZ color 38.3332, 39.9741, 44.2235.

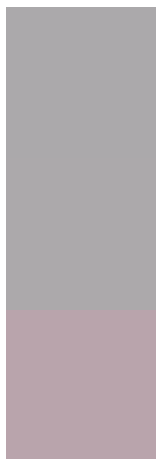


This preview shows how white text looks on a background with the XYZ color 38.3332, 39.9741,

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

38.3332, 39.9741, 44.2235

Protanopia

38.5519, 40.0869, 44.2337

Deuteranopia

40.7294, 39.8438, 44.5737



Tritanopia

39.1725, 39.7443, 49.3229

Trichromacy



Original Color

38.3332, 39.9741, 44.2235

Protanomaly

38.5519, 40.0869, 44.2337

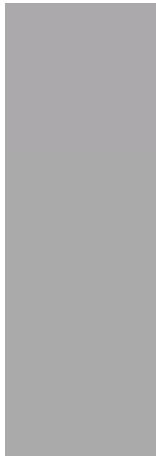
Deuteranomaly

39.9050, 39.9543, 44.6385

Tritanomaly

38.9517, 39.9502, 47.2532

Monochromacy



Original Color

38.3332, 39.9741, 44.2235

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 38.3332, 39.9741, 44.2235 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, 169, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 169, 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, 169, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 169, 171) }
```

Border

The CSS property to change the border of an element to XYZ 38.3332, 39.9741, 44.2235 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, 169, 171) }
```

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

```
.border{ border-color:rgb(171, 169, 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, 169, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 169,  
171) }
```


Background

The CSS property to change the background color of an element to XYZ 38.3332, 39.9741, 44.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 169, 171) }
```

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

```
.background{ background-color: rgb(171,  
169, 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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