

Converting Colors

XYZ(37.3144, 39.9255, 44.7700)

Have a look what the booklet for
XYZ(37.3144, 39.9255, 44.7700)
contains.

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Color

**XYZ(37.3191, 39.9969,
44.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	A4ABAC
RGB	164, 171, 172
RGB Percent	64%, 67%, 67%
CMY	0.3569, 0.3294, 0.3255
CMYK	0.05, 0.01, 0.00, 0.33
HSL	187°, 5%, 66%
HSV	187°, 5%, 67%
XYZ	37.3191, 39.9969, 44.7830
YIQ	169.0210, -4.4930, -1.1730

Conversions

Conversions Part 2

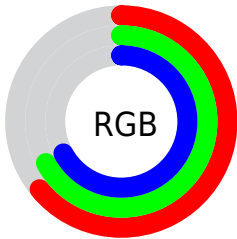
Format	Color
RYB	164, 168, 172
Decimal	10791852
CIELab	69.47, -2.26, -1.38
CIElCh	69, 2.651, 211.320
Yxy	39.9969, 0.3056, 0.3276
Android (android.graphics.Color)	4288981932 (0xFFA4ABAC)
YUV	169.0210, 1.4686, -4.4034
Hunter-Lab	63.2431, -5.3444, 2.2864

Details

The XYZ color **37.3191, 39.9969, 44.7830** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1692, 38.3607, 40.5677**, and the grayscale version is **37.7179, 39.6822, 43.2139**.

A 20% lighter version of the original color is **70.2749, 74.9988, 83.4454**, and **16.6691, 17.9945, 20.3640** is the 20% darker color. If you saturate the color by 10%, you get **33.6054, 37.4873, 44.4949**, and if you desaturate by 10%, it is **41.5217, 42.7706, 45.0975**.

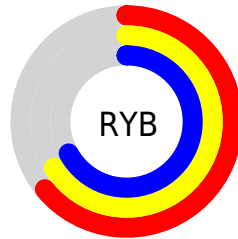
Distribution



Red (64%)

Green (67%)

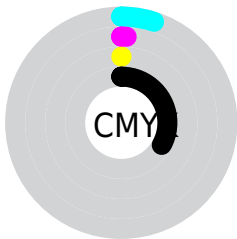
Blue (67%)



Red (64%)

Yellow (66%)

Blue (67%)

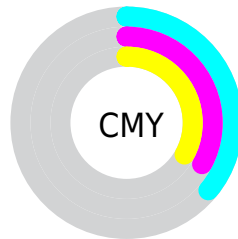


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (36%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3191, 39.9969, 44.7830 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 37.3191, 39.9969, 44.7830 by changing the saturation by 10% instead.

■ 37.3191, 39.9969,
44.7830

■ 37.3191, 39.9969,
44.7830

326.0216,
346.1105, 382.0285

■ 25.6295, 27.5361,
30.9448

■ 70.3739, 75.1588,
83.7097

■ 16.6779, 17.9763,
20.2987

■ 92.4699, 98.6287,
109.6353

■ 10.0990, 10.9330,
12.4262

118.7652,
126.5371, 140.4271

■ 5.5274, 6.0218,
6.9086

149.6254,
159.2684, 176.5037

■ 2.5978, 2.8583,
3.3274

185.4158,
197.2070, 218.2836

■ 0.9448, 1.0582,
1.2641

226.5017,

■ 0.0000, 0.0000,

240.7373, 266.1853

0.0321

273.2485,
290.2437, 320.6274

■ 0.0000, 0.0000,
0.0000

■ 37.3191, 39.9969,
44.7830

■ 37.3191, 39.9969,
44.7830

■ 33.6054, 37.4873,
44.4949

■ 41.5217, 42.7706,
45.0975

■ 30.3581, 35.2266,
44.2297

■ 46.2279, 45.8126,
45.4366

■ 27.5579, 33.2061,
43.9873

■ 51.4561, 49.1335,
45.8020

■ 25.1827, 31.4143,
43.7667

■ 57.2224, 52.7417,
46.1946

■ 23.2087, 29.8390,
43.5666

■ 63.5427, 56.6454,
46.6150

■ 21.6097, 28.4664,
43.3860

■ 65.7993, 58.4643,
46.8471

■ 20.3562, 27.2814,
43.2233

■ 66.2476, 59.3609,
46.9965

■ 19.4143, 26.2665,
43.0771

■ 66.7027, 60.2710,
47.1482

■ 18.7429, 25.4005,
42.9453

■ 67.1646, 61.1948,
47.3022

Harmonies

Analogous

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



37.2013, 39.9969, 43.6040



37.3191, 39.9969, 44.7830



37.6234, 39.9969, 45.6445

Triad

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



37.3191, 39.9969, 44.7830



38.7404, 39.9969, 44.6875



37.9969, 39.9969, 41.2422

Complementary

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



37.3191, 39.9969, 44.7830



37.1692, 38.3607, 40.5677

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.



38.4111, 39.9969, 41.5203



37.3191, 39.9969, 44.7830



38.8422, 39.9969, 43.4957

Square

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



37.3191, 39.9969, 44.7830



38.4440, 39.9969, 45.5886



38.7212, 39.9969, 42.3395



37.5909, 39.9969, 41.5728

Rectangle

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



37.3191, 39.9969, 44.7830



37.8921, 39.9969, 45.9147



38.7212, 39.9969, 42.3395



38.1398, 39.9969, 41.2676

Sweetspot

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



37.3202, 39.9986, 44.7839



70.3689, 74.3338, 81.4448



36.8484, 40.1124, 41.3663



15.3020, 16.1605, 17.7005



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.



37.3202, 39.9986, 44.7839



66.6679, 71.8698, 81.1643



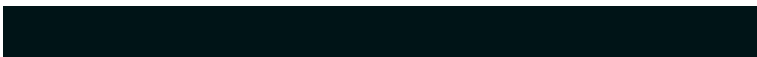
36.5877, 38.5335, 44.5397



8.3931, 9.0629, 10.2596



13.7518, 18.6374, 31.9171



0.4059, 0.5651, 0.8957

Inverse Universe

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



37.6402, 38.2625, 43.9317



67.4248, 67.7807, 79.1449



37.8902, 39.8027, 40.8081



8.4950, 8.5130, 9.9876



16.8049, 8.1845, 22.4158



0.4793, 0.2324, 0.6856

Previews

White Background



This preview shows how the XYZ color 37.3191, 39.9969, 44.7830 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 37.3191, 39.9969, 44.7830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

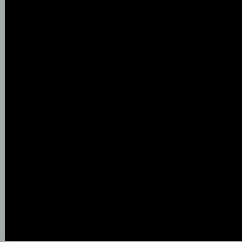
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3191, 39.9969, 44.7830

Background



This preview shows how black text looks on a background with the XYZ color 37.3191, 39.9969, 44.7830.



This preview shows how white text looks on a background with the XYZ color 37.3191, 39.9969,

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

37.3191, 39.9969, 44.7830

Protanopia

38.5519, 40.0869, 44.2337

Deuteranopia

40.5854, 39.7584, 45.0702



Tritanopia

38.4611, 39.9018, 50.4745

Trichromacy



Original Color

37.3191, 39.9969, 44.7830

Protanomaly

38.0876, 40.1247, 44.2655

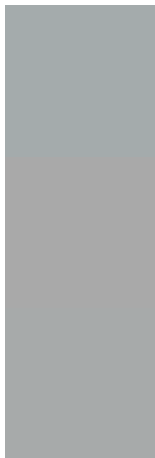
Deuteranomaly

39.4930, 40.0017, 45.1748

Tritanomaly

38.0285, 40.0035, 48.3649

Monochromacy



Original Color

37.3191, 39.9969, 44.7830

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5668, 39.8672, 43.7454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3191, 39.9969, 44.7830 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(164, 171, 172)` looks like.

```
.text, #text, p{  
    color:rgb(164, 171, 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(164, 171, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 171, 172) }
```

Border

The CSS property to change the border of an element to XYZ 37.3191, 39.9969, 44.7830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

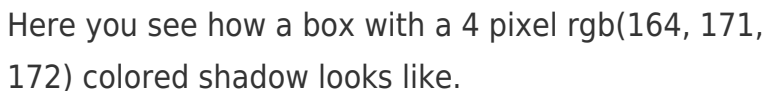
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 171, 172) }
```


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

```
.border{ border-color:rgb(164, 171, 172) }
```

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



Here you see how a box with a 4 pixel `rgb(164, 171, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 171, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 171, 172); box-shadow:4px 4px 4px 4px rgb(164, 171, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3191, 39.9969, 44.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 171, 172) }
```

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

```
.background{ background-color: rgb(164,  
171, 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](#).

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