

Converting Colors

XYZ(37.6960, 40.0328, 43.5702)

Have a look what the booklet for
XYZ(37.6960, 40.0328, 43.5702)
contains.

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Color

**XYZ(37.5668, 39.8672,
43.7454)**

Conversions

Conversions Part 1

Format	Color
Hex	A7AAAA
RGB	167, 170, 170
RGB Percent	65%, 67%, 67%
CMY	0.3451, 0.3333, 0.3333
CMYK	0.02, 0.00, 0.00, 0.33
HSL	180°, 2%, 66%
HSV	180°, 2%, 67%
XYZ	37.5668, 39.8672, 43.7454
YIQ	169.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

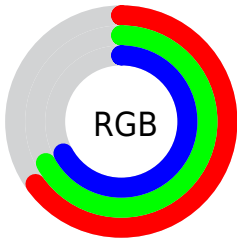
Format	Color
RYB	167, 169, 170
Decimal	10988202
CIELab	69.37, -1.06, -0.38
CIELCh	69, 1.124, 199.749
Yxy	39.8672, 0.3100, 0.3290
Android (android.graphics.Color)	4289178282 (0xFFA7AAAA)
YUV	169.1030, 0.4422, -1.8443
Hunter-Lab	63.1405, -4.2934, 3.1206

Details

The XYZ color **37.5668, 39.8672, 43.7454** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3728, 38.9746, 42.1143**, and the grayscale version is **37.7625, 39.7291, 43.2650**.

A 20% lighter version of the original color is **70.6400, 74.8163, 81.9520**, and **16.8187, 17.9097, 19.7100** is the 20% darker color. If you saturate the color by 10%, you get **34.2077, 38.1368, 43.5815**, and if you desaturate by 10%, it is **41.4003, 41.8444, 43.9331**.

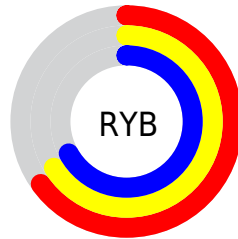
Distribution



Red (65%)

Green (67%)

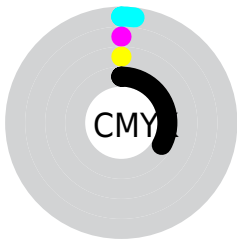
Blue (67%)



Red (65%)

Yellow (66%)

Blue (67%)

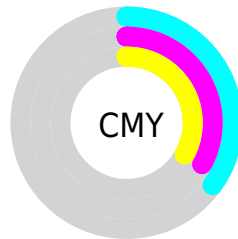


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5668, 39.8672, 43.7454 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 37.5668, 39.8672, 43.7454 by changing the saturation by 10% instead.

■ 37.5668, 39.8672,
43.7454

■ 37.5668, 39.8672,
43.7454

327.0711,
345.5635, 377.6792

■ 25.8223, 27.4350,
30.1347

■ 70.7519, 74.9612,
82.1329

■ 16.8228, 17.9002,
19.6879

■ 92.9232, 98.3919,
107.7467

■ 10.2027, 10.8784,
11.9866

119.3008,
126.2575, 138.1987

■ 5.5969, 5.9851,
6.6121

150.2501,
158.9424, 173.9073

■ 2.6398, 2.8360,
3.1460

186.1364,
196.8311, 215.2911

■ 0.9663, 1.0467,
1.1696

227.3251,

■ 0.0000, 0.0000,

240.3079, 262.7687

0.0000

274.1815,
289.7573, 316.7585

■ 37.5668, 39.8672,
43.7454

■ 37.5668, 39.8672,
43.7454

■ 34.2077, 38.1368,
43.5815

■ 41.4003, 41.8444,
43.9331

■ 31.3014, 36.6387,
43.4380

■ 45.7221, 44.0722,
44.1429

■ 28.8295, 35.3646,
43.3148

■ 50.5498, 46.5608,
44.3763

■ 26.7711, 34.3036,
43.2110

■ 55.8990, 49.3182,
44.6341

■ 25.1037, 33.4442,
43.1255

■ 61.7846, 52.3522,
44.9171

■ 23.8026, 32.7736,
43.0571

■ 62.8799, 52.9167,
44.9759

■ 22.8401, 32.2776,
43.0046

■ 62.8813, 52.9173,
44.9834

■ 22.1848, 31.9399,
42.9664

■ 62.8828, 52.9179,
44.9910

■ 21.7994, 31.7414,
42.9409

■ 62.8842, 52.9184,
44.9986

Harmonies

Analogous

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



37.5520, 39.8672, 43.2319



37.5668, 39.8672, 43.7454



37.6687, 39.8672, 44.1718

Triad

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



37.5668, 39.8672, 43.7454



38.1581, 39.8672, 44.0541



37.9544, 39.8672, 42.4376

Complementary

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



37.5668, 39.8672, 43.7454



37.3728, 38.9746, 42.1143

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.



38.1173, 39.8672, 42.6542



37.5668, 39.8672, 43.7454



38.2352, 39.8672, 43.5858

Square

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



37.5668, 39.8672, 43.7454



38.0100, 39.8672, 44.3510



38.2202, 39.8672, 43.0735



37.7754, 39.8672, 42.4796

Rectangle

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



37.5668, 39.8672, 43.7454



37.7726, 39.8672, 44.3480



38.2202, 39.8672, 43.0735



38.0129, 39.8672, 42.4826

Sweetspot

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



37.5679, 39.8689, 43.7463



68.6497, 72.5869, 79.3929



37.2979, 39.7621, 42.2689



15.3174, 16.1914, 17.7053



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.



37.5679, 39.8689, 43.7463



67.9838, 72.2437, 79.3604



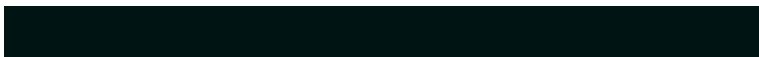
37.2976, 39.3279, 43.6574



8.3085, 8.8212, 9.6828



15.9012, 23.2792, 31.5760



0.3870, 0.5664, 0.7687

Inverse Universe

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



37.3728, 38.9746, 42.1143



67.5764, 70.3763, 75.9527



37.6399, 39.5093, 42.2021



8.2631, 8.6134, 9.3035



12.1954, 6.2869, 0.5745



0.2968, 0.1530, 0.0144

Previews

White Background



This preview shows how the XYZ color 37.5668, 39.8672, 43.7454 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 37.5668, 39.8672, 43.7454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

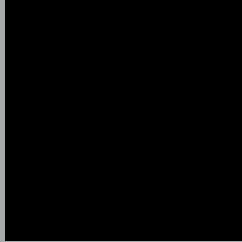
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

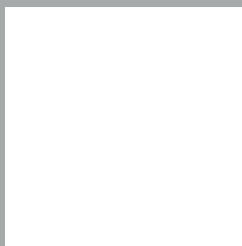
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5668, 39.8672, 43.7454

Background



This preview shows how black text looks on a background with the XYZ color 37.5668, 39.8672, 43.7454.



This preview shows how white text looks on a background with the XYZ color 37.5668, 39.8672,

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

37.5668, 39.8672, 43.7454

Protanopia

38.1773, 39.6405, 43.1753

Deuteranopia

40.6337, 39.8055, 44.0697



Tritanopia

38.8083, 39.8177, 49.8961

Trichromacy



Original Color

37.5668, 39.8672, 43.7454

Protanomaly

37.9270, 39.7866, 43.2167

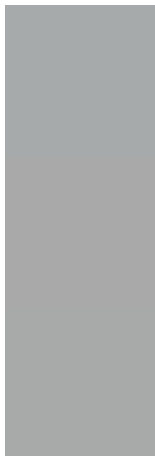
Deuteranomaly

39.3470, 39.6777, 44.1128

Tritanomaly

38.3723, 39.9151, 47.8014

Monochromacy



Original Color

37.5668, 39.8672, 43.7454

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4978, 39.5653, 43.1966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5668, 39.8672, 43.7454 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(167, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(167, 170, 170)  
}
```

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(167, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 170, 170) }
```

Border

The CSS property to change the border of an element to XYZ 37.5668, 39.8672, 43.7454 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(167, 170, 170) }
```


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

```
.border{ border-color:rgb(167, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(167, 170,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5668, 39.8672, 43.7454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 170, 170) }
```

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

```
.background{ background-color: rgb(167,  
170, 170) }
```

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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