

Converting Colors

XYZ(37.7418, 39.0107, 44.2736)

Have a look what the booklet for
XYZ(37.7418, 39.0107, 44.2736)
contains.

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Color

**XYZ(37.7470, 39.1238,
44.0902)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA7AB
RGB	170, 167, 171
RGB Percent	67%, 65%, 67%
CMY	0.3333, 0.3451, 0.3294
CMYK	0.01, 0.02, 0.00, 0.33
HSL	285°, 2%, 66%
HSV	285°, 2%, 67%
XYZ	37.7470, 39.1238, 44.0902
YIQ	168.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

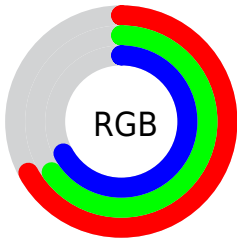
Format	Color
RYB	170, 167, 171
Decimal	11184043
CIELab	68.84, 1.83, -1.69
CIElCh	69, 2.489, 317.324
Yxy	39.1238, 0.3121, 0.3234
Android (android.graphics.Color)	4289374123 (0xFFAAA7AB)
YUV	168.3530, 1.3050, 1.4444
Hunter-Lab	62.5490, -1.7398, 1.9914

Details

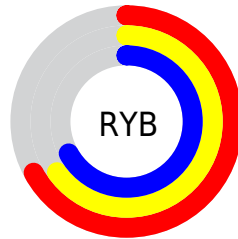
The XYZ color **37.7470, 39.1238, 44.0902** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6879, 40.2417, 42.3423**, and the grayscale version is **37.3875, 39.3346, 42.8353**.

A 20% lighter version of the original color is **70.9001, 73.7411, 82.4481**, and **16.9317, 17.4449, 19.9276** is the 20% darker color. If you saturate the color by 10%, you get **33.9099, 32.7996, 43.0723**, and if you desaturate by 10%, it is **42.0307, 46.2954, 45.2493**.

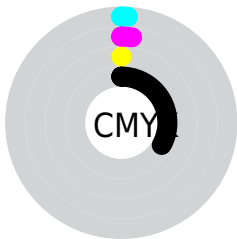
Distribution



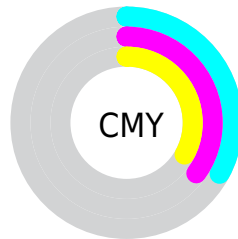
- Red (67%)
- Green (65%)
- Blue (67%)



- Red (67%)
- Yellow (65%)
- Blue (67%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (33%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7470, 39.1238, 44.0902 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 37.7470, 39.1238, 44.0902 by changing the saturation by 10% instead.

■ 37.7470, 39.1238,
44.0902

■ 37.7470, 39.1238,
44.0902

327.8331,
342.4165, 379.1284

■ 25.9627, 26.8560,
30.4037

■ 71.0266, 73.8274,
82.6574

■ 16.9283, 17.4651,
19.8906

■ 93.2526, 97.0320,
108.3751

■ 10.2784, 10.5667,
12.1322

119.6899,
124.6511, 138.9404

■ 5.6476, 5.7763,
6.7102

150.7038,
157.0690, 174.7718

■ 2.6706, 2.7095,
3.2058

186.6598,
194.6701, 216.2877

■ 0.9821, 0.9820,
1.2007

227.9230,

■ 0.0000, 0.0000,

237.8388, 263.9067

0.0000

274.8590,
286.9595, 318.0474

■ 37.7470, 39.1238,
44.0902

■ 37.7470, 39.1238,
44.0902

■ 33.9099, 32.7996,
43.0723

■ 42.0307, 46.2954,
45.2493

■ 30.4995, 27.2853,
42.1877

■ 46.7731, 54.3399,
46.5521

■ 27.4997, 22.5480,
41.4314

■ 51.9902, 63.2881,
48.0043

■ 24.8915, 18.5508,
40.7974

■ 57.6959, 73.1678,
49.6105

■ 22.6548, 15.2536,
40.2788

■ 63.9037, 84.0054,
51.3752

■ 20.7674, 12.6124,
39.8685

■ 65.7891, 86.1514,
51.6901

■ 19.2046, 10.5782,
39.5582

■ 66.9152, 86.7320,
51.7428

■ 17.9380, 9.0951,
39.3387

■ 68.0734, 87.3290,
51.7970

■ 16.9343, 8.0964,
39.1988

■ 69.2638, 87.9427,
51.8527

Harmonies

Analogous

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



37.4125, 39.1238, 44.7089



37.7470, 39.1238, 44.0902



37.9317, 39.1238, 43.0781

Triad

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



37.7470, 39.1238, 44.0902



37.3529, 39.1238, 40.5127



36.4659, 39.1238, 43.2499

Complementary

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



37.7470, 39.1238, 44.0902



37.6879, 40.2417, 42.3423

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.



36.4502, 39.1238, 42.1238



37.7470, 39.1238, 44.0902



36.9604, 39.1238, 40.5569

Square

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



37.7470, 39.1238, 44.0902



37.7030, 39.1238, 41.0204



36.6306, 39.1238, 41.1421



36.6737, 39.1238, 44.2179

Rectangle

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



37.7470, 39.1238, 44.0902



37.9442, 39.1238, 42.3226



36.6306, 39.1238, 41.1421



36.4380, 39.1238, 42.8770

Sweetspot

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



37.7481, 39.1255, 44.0911



68.5700, 71.6776, 79.2230



37.3036, 39.1874, 44.1264



15.3006, 15.9997, 17.6695



82.5889, 86.8899, 94.6231



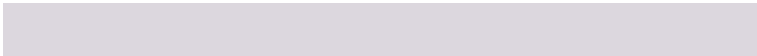
15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7481, 39.1255, 44.0911



67.0860, 69.2104, 78.8250



37.8765, 39.2019, 43.6346



8.6414, 8.8758, 10.2104



12.3277, 5.7150, 29.4979



0.3891, 0.1828, 0.8228

Inverse Universe

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



37.6826, 39.1243, 42.6134



66.9344, 69.2084, 75.3805



37.5623, 40.1670, 42.7882



8.6177, 8.8756, 9.6669



13.0046, 6.6644, 2.4039



0.3837, 0.1941, 0.1821

Previews

White Background



This preview shows how the XYZ color 37.7470, 39.1238, 44.0902 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 37.7470, 39.1238, 44.0902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

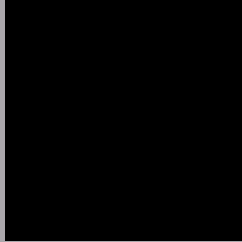
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7470, 39.1238, 44.0902

Background



This preview shows how black text looks on a background with the XYZ color 37.7470, 39.1238, 44.0902.



This preview shows how white text looks on a background with the XYZ color 37.7470, 39.1238,

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

37.7470, 39.1238, 44.0902

Protanopia

37.7470, 39.1238, 44.0902

Deuteranopia

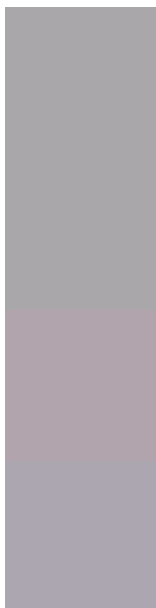
39.8350, 39.1180, 44.4807



Tritanopia

38.5675, 39.1850, 48.1786

Trichromacy



Original Color

37.7470, 39.1238, 44.0902

Protanomaly

37.7470, 39.1238, 44.0902

Deuteranomaly

39.0820, 38.9945, 44.4966

Tritanomaly

38.2673, 39.0650, 46.5977

Monochromacy



Original Color

37.7470, 39.1238, 44.0902

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.5262, 39.3049, 43.1449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7470, 39.1238, 44.0902 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(170, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 167, 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(170, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 167, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.7470, 39.1238, 44.0902 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(170, 167, 171) }
```


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

```
.border{ border-color:rgb(170, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 167,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7470, 39.1238, 44.0902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 167, 171) }
```

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

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