

Converting Colors

XYZ(36.9860, 39.6967, 44.5421)

Have a look what the booklet for
XYZ(36.9860, 39.6967, 44.5421)
contains.

XYZ(37.1136, 39.8909, 44.7733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1136, 39.8909,
44.7733)**

Conversions

Conversions Part 1

Format	Color
Hex	A3ABAC
RGB	163, 171, 172
RGB Percent	64%, 67%, 67%
CMY	0.3608, 0.3294, 0.3255
CMYK	0.05, 0.01, 0.00, 0.33
HSL	187°, 5%, 66%
HSV	187°, 5%, 67%
XYZ	37.1136, 39.8909, 44.7733
YIQ	168.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

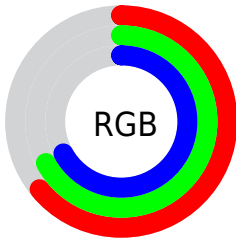
Format	Color
R_{YB}	163, 167, 172
Decimal	10726316
CIE Lab	69.39, -2.61, -1.50
CIE LCh	69, 3.011, 209.826
Yxy	39.8909, 0.3048, 0.3276
Android (android.graphics.Color)	4288916396 (0xFFA3ABAC)
YUV	168.7220, 1.6161, -5.0182
Hunter-Lab	63.1592, -5.6386, 2.1811

Details

The XYZ color **37.1136, 39.8909, 44.7733** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8998, 37.9657, 40.0344**, and the grayscale version is **37.5698, 39.5263, 43.0442**.

A 20% lighter version of the original color is **69.9749, 74.8442, 83.4313**, and **16.5425, 17.9292, 20.3581** is the 20% darker color. If you saturate the color by 10%, you get **33.4715, 37.4838, 44.5013**, and if you desaturate by 10%, it is **41.2422, 42.5587, 45.0712**.

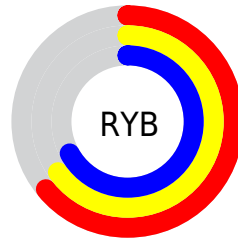
Distribution



Red (64%)

Green (67%)

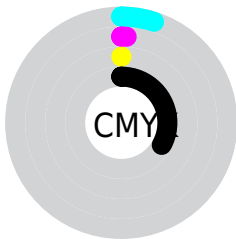
Blue (67%)



Red (64%)

Yellow (65%)

Blue (67%)

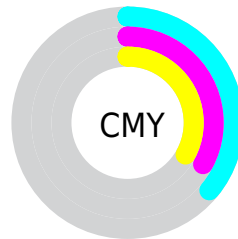


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (36%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1136, 39.8909, 44.7733 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 37.1136, 39.8909, 44.7733 by changing the saturation by 10% instead.

■ 37.1136, 39.8909,
44.7733

■ 37.1136, 39.8909,
44.7733

325.1491,
345.6635, 381.9880

■ 25.4695, 27.4535,
30.9373

■ 70.0602, 74.9974,
83.6950

■ 16.5578, 17.9141,
20.2930

■ 92.0934, 98.4352,
109.6177

■ 10.0131, 10.8883,
12.4220

118.3204,
126.3086, 140.4063

■ 5.4700, 5.9918,
6.9058

149.1064,
159.0020, 176.4795

■ 2.5631, 2.8401,
3.3257

184.8170,
196.8998, 218.2557

■ 0.9272, 1.0488,
1.2632

225.8174,

■ 0.0000, 0.0000,

240.3864, 266.1535

0.0314

272.4730,
289.8462, 320.5914

■ 0.0000, 0.0000,
0.0000

■ 37.1136, 39.8909,
44.7733

■ 37.1136, 39.8909,
44.7733

■ 33.4715, 37.4838,
44.5013

■ 41.2422, 42.5587,
45.0712

■ 30.2932, 35.3224,
44.2516

■ 45.8720, 45.4915,
45.3933

■ 27.5594, 33.3978,
44.0242

■ 51.0213, 48.7000,
45.7412

■ 25.2480, 31.6985,
43.8180

■ 56.7066, 52.1925,
46.1157

■ 23.3350, 30.2122,
43.6319

■ 62.9434, 55.9772,
46.5175

■ 21.7940, 28.9252,
43.4647

■ 65.5046, 57.8749,
46.7488

■ 20.5954, 27.8222,
43.3150

■ 65.8989, 58.6633,
46.8802

■ 19.7050, 26.8856,
43.1812

■ 66.2985, 59.4625,
47.0134

■ 19.0801, 26.0933,
43.0612

■ 66.7034, 60.2724,
47.1484

Harmonies

Analogous

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



36.9922, 39.8909, 43.4263



37.1136, 39.8909, 44.7733



37.4493, 39.8909, 45.7791

Triad

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



37.1136, 39.8909, 44.7733



38.7252, 39.8909, 44.7876



37.9179, 39.8909, 40.8238

Complementary

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



37.1136, 39.8909, 44.7733



36.8998, 37.9657, 40.0344

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.



38.3847, 39.8909, 41.1712



37.1136, 39.8909, 44.7733



38.8532, 39.8909, 43.4425

Square

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



37.1136, 39.8909, 44.7733



38.3798, 39.8909, 45.7875



38.7281, 39.8909, 42.1225



37.4542, 39.8909, 41.1634

Rectangle

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



37.1136, 39.8909, 44.7733



37.7510, 39.8909, 46.1104



38.7281, 39.8909, 42.1225



38.0797, 39.8909, 40.8640

Sweetspot

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



37.1147, 39.8926, 44.7742



69.6270, 73.8645, 81.3933



36.5493, 39.9690, 40.8638



15.1495, 16.0641, 17.6899



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.



37.1147, 39.8926, 44.7742



66.7176, 71.9692, 81.1808



36.2969, 38.2569, 44.5016



8.3998, 9.0763, 10.2619



14.0359, 19.2056, 32.0118



0.4115, 0.5765, 0.8976

Inverse Universe

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



37.4620, 37.9062, 43.8722



67.4499, 67.7908, 79.2770



37.7014, 39.5689, 40.3016



8.4984, 8.5143, 10.0054



16.9483, 8.2419, 23.1709



0.4821, 0.2335, 0.7006

Previews

White Background



This preview shows how the XYZ color 37.1136, 39.8909, 44.7733 looks on a white background.

Color Contrast Check

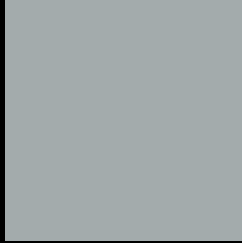
Large Text (above 18pt) WCAG AA × Fail

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 37.1136, 39.8909, 44.7733 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

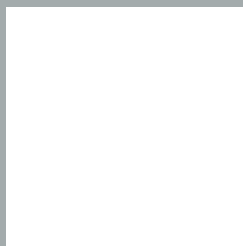
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1136, 39.8909, 44.7733

Background



This preview shows how black text looks on a background with the XYZ color 37.1136, 39.8909, 44.7733.



This preview shows how white text looks on a background with the XYZ color 37.1136, 39.8909,

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

37.1136, 39.8909, 44.7733

Protanopia

38.3666, 39.7162, 44.1719

Deuteranopia

40.5854, 39.7584, 45.0702



Tritanopia

38.2523, 39.7942, 50.4647

Trichromacy



Original Color

37.1136, 39.8909, 44.7733

Protanomaly

37.9008, 39.7512, 44.2032

Deuteranomaly

39.2660, 39.8847, 45.1641

Tritanomaly

37.8213, 39.8966, 48.3553

Monochromacy



Original Color

37.1136, 39.8909, 44.7733

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 37.1136, 39.8909, 44.7733 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(163, 171, 172)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 171, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 171, 172) }
```

Border

The CSS property to change the border of an element to XYZ 37.1136, 39.8909, 44.7733 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(163, 171, 172) }
```


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

```
.border{ border-color:rgb(163, 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(163, 171, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 171, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 171, 172);  
box-shadow:4px 4px 4px 4px rgb(163, 171,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1136, 39.8909, 44.7733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 171, 172) }
```

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

```
.background{ background-color: rgb(163,  
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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