

Converting Colors

XYZ(37.2607, 39.5290, 46.8449)

Have a look what the booklet for
XYZ(37.2607, 39.5290, 46.8449)
contains.

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Color

**XYZ(37.3155, 39.6706,
46.7647)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AAB0
RGB	163, 170, 176
RGB Percent	64%, 67%, 69%
CMY	0.3608, 0.3333, 0.3098
CMYK	0.07, 0.03, 0.00, 0.31
HSL	208°, 8%, 66%
HSV	208°, 7%, 69%
XYZ	37.3155, 39.6706, 46.7647
YIQ	168.5910, -6.0980, 0.3820

Conversions

Conversions Part 2

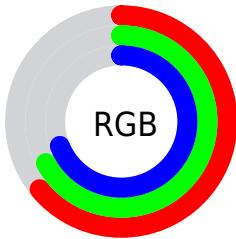
Format	Color
RYB	163, 168, 176
Decimal	10726064
CIELab	69.23, -1.27, -3.94
CIElCh	69, 4.142, 252.120
Yxy	39.6706, 0.3015, 0.3206
Android (android.graphics.Color)	4288916144 (0xFFA3AAB0)
YUV	168.5910, 3.6526, -4.9033
Hunter-Lab	62.9846, -4.4700, 0.0677

Details

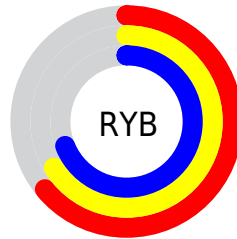
The XYZ color **37.3155, 39.6706, 46.7647** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.7035, 40.2501, 40.3803**, and the grayscale version is **37.4958, 39.4485, 42.9594**.

A 20% lighter version of the original color is **70.4041, 74.5820, 87.0290**, and **16.6721, 17.7916, 21.6242** is the 20% darker color. If you saturate the color by 10%, you get **32.4845, 34.9909, 46.1167**, and if you desaturate by 10%, it is **42.7444, 44.8003, 47.4693**.

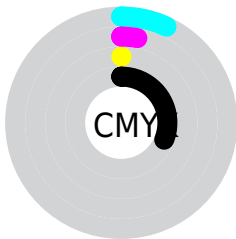
Distribution



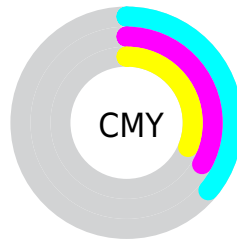
- Red (64%)
- Green (67%)
- Blue (69%)



- Red (64%)
- Yellow (66%)
- Blue (69%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (36%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3155, 39.6706, 46.7647 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 37.3155, 39.6706, 46.7647 by changing the saturation by 10% instead.

■ 37.3155, 39.6706,
46.7647

■ 37.3155, 39.6706,
46.7647

326.0063,
344.7332, 390.2411

■ 25.6267, 27.2818,
32.4967

■ 70.3684, 74.6617,
86.7086

■ 16.6758, 17.7850,
21.4732

■ 92.4633, 98.0327,
113.2215

■ 10.0975, 10.7957,
13.2757

118.7574,
125.8333, 144.6532

■ 5.5264, 5.9296,
7.4857

149.6163,
158.4478, 181.4221

■ 2.5972, 2.8023,
3.6847

185.4053,
196.2607, 223.9468

■ 0.9445, 1.0294,
1.4540

226.4897,

■ 0.0000, 0.0000,

239.6563, 272.6458

0.1833

273.2350,
289.0190, 327.9377

■ 0.0000, 0.0000,
0.0000

■ 37.3155, 39.6706,
46.7647

■ 37.3155, 39.6706,
46.7647

■ 32.4845, 34.9909,
46.1167

■ 42.7444, 44.8003,
47.4693

■ 28.2256, 30.7421,
45.5210

■ 48.7887, 50.3882,
48.2293

■ 24.5163, 26.9111,
44.9771

■ 55.4696, 56.4486,
49.0470

■ 21.3311, 23.4822,
44.4831

■ 62.8062, 62.9938,
49.9236

■ 18.6422, 20.4382,
44.0373

■ 70.8165, 70.0352,
50.8606

■ 16.4191, 17.7608,
43.6377

■ 74.3355, 74.9124,
51.6165

■ 14.6277, 15.4293,
43.2820

■ 76.5022, 79.2459,
52.3387

■ 13.2283, 13.4203,
42.9680

■ 78.7736, 83.7887,
53.0959

■ 12.1622, 11.7004,
42.6922

■ 81.1512, 88.5438,
53.8884

Harmonies

Analogous

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



36.7676, 39.6706, 45.6908



37.3155, 39.6706, 46.7647



37.9741, 39.6706, 46.8649

Triad

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



37.3155, 39.6706, 46.7647



38.9664, 39.6706, 42.4322



36.8568, 39.6706, 40.5416

Complementary

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



37.3155, 39.6706, 46.7647



38.7035, 40.2501, 40.3803

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.



37.4386, 39.6706, 39.7210



37.3155, 39.6706, 46.7647



38.6596, 39.6706, 40.7909

Square

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



37.3155, 39.6706, 46.7647



38.9325, 39.6706, 44.3257



38.0986, 39.6706, 39.8109



36.5049, 39.6706, 42.0828

Rectangle

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



37.3155, 39.6706, 46.7647



38.3879, 39.6706, 46.3624



38.0986, 39.6706, 39.8109



37.0317, 39.6706, 40.1744

Sweetspot

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



37.3166, 39.6723, 46.7656



72.8099, 76.8258, 85.4867



37.7776, 41.6968, 43.5202



15.8028, 16.6718, 18.5294



84.5950, 89.0005, 96.9216



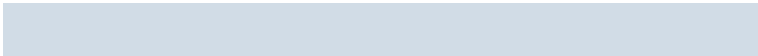
16.2198, 17.0645, 18.5832

Same Dimension

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



37.3166, 39.6723, 46.7656



66.0491, 70.3890, 84.6006



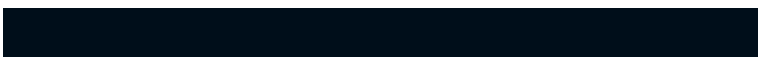
36.1544, 37.3477, 46.3782



8.4084, 8.9630, 10.7932



8.7985, 8.3973, 31.2941



0.3344, 0.3794, 1.0038

Inverse Universe

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



38.2583, 38.3276, 43.4137



68.1498, 67.4311, 77.1137



39.9142, 42.6714, 40.7838



8.6813, 8.5793, 9.8204



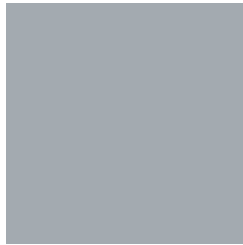
14.6757, 7.3878, 8.7183



0.4908, 0.2441, 0.4274

Previews

White Background



This preview shows how the XYZ color 37.3155, 39.6706, 46.7647 looks on a white background.

Color Contrast Check

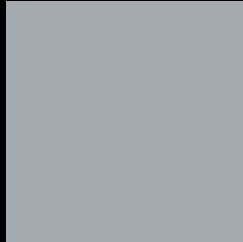
Large Text (above 18pt) WCAG AA × Fail

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 37.3155, 39.6706, 46.7647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

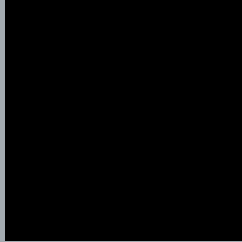
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3155, 39.6706, 46.7647

Background



This preview shows how black text looks on a background with the XYZ color 37.3155, 39.6706, 46.7647.



This preview shows how white text looks on a background with the XYZ color 37.3155, 39.6706,

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

37.3155, 39.6706, 46.7647

Protanopia

38.3181, 39.6465, 46.1904

Deuteranopia

40.2673, 39.5490, 47.1064



Tritanopia

37.9413, 39.6458, 49.9087

Trichromacy



Original Color

37.3155, 39.6706, 46.7647

Protanomaly

37.8622, 39.6866, 46.2222

Deuteranomaly

39.0276, 39.4454, 47.1517

Tritanomaly

37.7360, 39.5637, 48.8277

Monochromacy



Original Color

37.3155, 39.6706, 46.7647

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5707, 39.5700, 44.6873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3155, 39.6706, 46.7647 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, 170, 176)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 176)  
}
```

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, 170, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.3155, 39.6706, 46.7647 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, 170, 176) }
```


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

```
.border{ border-color:rgb(163, 170, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 170, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 170, 176); box-shadow:4px 4px 4px 4px rgb(163, 170, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3155, 39.6706, 46.7647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 176) }
```

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

```
.background{ background-color: rgb(163,  
170, 176) }
```

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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