

Converting Colors

XYZ(37.1580, 39.6861, 46.9631)

Have a look what the booklet for
XYZ(37.1580, 39.6861, 46.9631)
contains.

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Color

**XYZ(37.1115, 39.5654,
46.7552)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AAB0
RGB	162, 170, 176
RGB Percent	64%, 67%, 69%
CMY	0.3647, 0.3333, 0.3098
CMYK	0.08, 0.03, 0.00, 0.31
HSL	206°, 8%, 66%
HSV	206°, 8%, 69%
XYZ	37.1115, 39.5654, 46.7552
YIQ	168.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

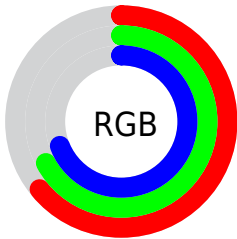
Format	Color
RYB	162, 167, 176
Decimal	10660528
CIELab	69.16, -1.62, -4.06
CIELCh	69, 4.371, 248.316
Yxy	39.5654, 0.3007, 0.3205
Android (android.graphics.Color)	4288850608 (0xFFA2AAB0)
YUV	168.2920, 3.8000, -5.5181
Hunter-Lab	62.9010, -4.7621, -0.0403

Details

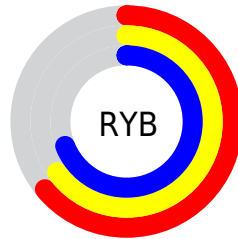
The XYZ color **37.1115, 39.5654, 46.7552** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.4289, 39.8438, 39.8484**, and the grayscale version is **37.3481, 39.2931, 42.7902**.

A 20% lighter version of the original color is **70.1060, 74.4283, 87.0151**, and **16.5469, 17.7271, 21.6183** is the 20% darker color. If you saturate the color by 10%, you get **32.4107, 35.1046, 46.1426**, and if you desaturate by 10%, it is **42.3961, 44.4497, 47.4200**.

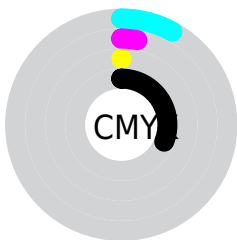
Distribution



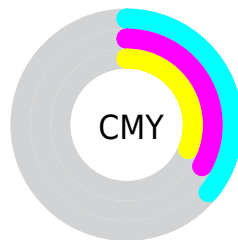
- Red (64%)
- Green (67%)
- Blue (69%)



- Red (64%)
- Yellow (65%)
- Blue (69%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1115, 39.5654, 46.7552 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 37.1115, 39.5654, 46.7552 by changing the saturation by 10% instead.

■ 37.1115, 39.5654,
46.7552

■ 37.1115, 39.5654,
46.7552

325.1402,
344.2884, 390.2020

■ 25.4679, 27.1999,
32.4892

■ 70.0570, 74.5013,
86.6942

■ 16.5566, 17.7234,
21.4675

■ 92.0895, 97.8404,
113.2044

■ 10.0122, 10.7516,
13.2716

118.3158,
125.6061, 144.6330

■ 5.4694, 5.9000,
7.4829

149.1011,
158.1829, 181.3986

■ 2.5628, 2.7844,
3.6829

184.8109,
195.9552, 223.9198

■ 0.9270, 1.0202,
1.4531

225.8104,

■ 0.0000, 0.0000,

239.3072, 272.6150

0.1826

272.4650,
288.6235, 327.9029

■ 0.0000, 0.0000,
0.0000

■ 37.1115, 39.5654,
46.7552

■ 37.1115, 39.5654,
46.7552

■ 32.4107, 35.1046,
46.1426

■ 42.3961, 44.4497,
47.4200

■ 28.2682, 31.0489,
45.5781

■ 48.2819, 49.7651,
48.1358

■ 24.6617, 27.3858,
45.0611

■ 54.7896, 55.5253,
48.9046

■ 21.5659, 24.1003,
44.5901

■ 61.9380, 61.7419,
49.7278

■ 18.9534, 21.1759,
44.1633

■ 69.7452, 68.4260,
50.6065

■ 16.7939, 18.5948,
43.7789

■ 73.4389, 73.1192,
51.3177

■ 15.0533, 16.3372,
43.4349

■ 75.4062, 77.0538,
51.9734

■ 13.6922, 14.3804,
43.1289

■ 77.4631, 81.1678,
52.6591

■ 12.6474, 12.6893,
42.8576

■ 79.6110, 85.4634,
53.3750

Harmonies

Analogous

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



36.5614, 39.5654, 45.5098



37.1115, 39.5654, 46.7552



37.8004, 39.5654, 47.0005

Triad

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



37.1115, 39.5654, 46.7552



38.9508, 39.5654, 42.5259



36.7789, 39.5654, 40.1311

Complementary

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



37.1115, 39.5654, 46.7552



38.4289, 39.8438, 39.8484

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.



37.4118, 39.5654, 39.3838



37.1115, 39.5654, 46.7552



38.6697, 39.5654, 40.7382

Square

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



37.1115, 39.5654, 46.7552



38.8680, 39.5654, 44.5174



38.1043, 39.5654, 39.6026



36.3711, 39.5654, 41.6739

Rectangle

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



37.1115, 39.5654, 46.7552



38.2466, 39.5654, 46.5568



38.1043, 39.5654, 39.6026



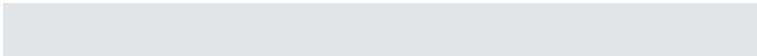
36.9721, 39.5654, 39.7807

Sweetspot

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



37.1126, 39.5671, 46.7561



72.8514, 76.9088, 85.5005



37.4787, 41.5537, 43.0104



15.8113, 16.6888, 18.5322



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.



37.1126, 39.5671, 46.7561



65.3256, 69.8983, 84.5440



35.8643, 37.0703, 46.3400



8.4317, 9.0095, 10.8009



9.1950, 9.1903, 31.4263



0.3458, 0.4022, 1.0076

Inverse Universe

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



38.0814, 37.9739, 43.3547



67.5512, 66.2980, 76.7165



39.7243, 42.4345, 40.2801



8.6931, 8.5839, 9.8821



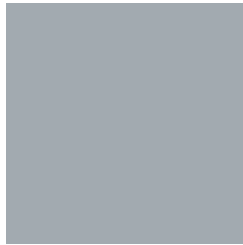
14.8758, 7.4679, 9.7721



0.4966, 0.2464, 0.4576

Previews

White Background



This preview shows how the XYZ color 37.1115, 39.5654, 46.7552 looks on a white background.

Color Contrast Check

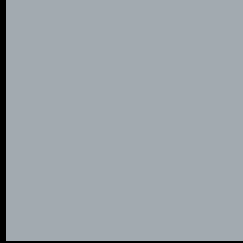
Large Text (above 18pt) WCAG AA × Fail

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 37.1115, 39.5654, 46.7552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

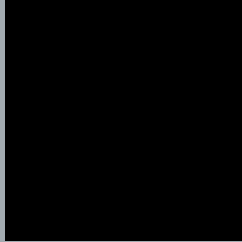
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

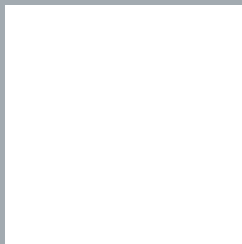
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1115, 39.5654, 46.7552

Background



This preview shows how black text looks on a background with the XYZ color 37.1115, 39.5654, 46.7552.



This preview shows how white text looks on a background with the XYZ color 37.1115, 39.5654,

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

37.1115, 39.5654, 46.7552

Protanopia

38.3181, 39.6465, 46.1904

Deuteranopia

40.2673, 39.5490, 47.1064



Tritanopia

37.7357, 39.5399, 49.8990

Trichromacy



Original Color

37.1115, 39.5654, 46.7552

Protanomaly

37.8622, 39.6866, 46.2222

Deuteranomaly

39.0276, 39.4454, 47.1517

Tritanomaly

37.5304, 39.4578, 48.8181

Monochromacy



Original Color

37.1115, 39.5654, 46.7552

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2645, 39.4232, 44.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1115, 39.5654, 46.7552 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(162, 170, 176)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 170, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 170, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.1115, 39.5654, 46.7552 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(162, 170, 176) }
```


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

```
.border{ border-color:rgb(162, 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(162, 170, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 170, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 170, 176);  
box-shadow:4px 4px 4px 4px rgb(162, 170,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1115, 39.5654, 46.7552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 170, 176) }
```

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

```
.background{ background-color: rgb(162,  
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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