

Converting Colors

XYZ(37.6372, 42.8891, 39.0129)

Have a look what the booklet for
XYZ(37.6372, 42.8891, 39.0129)
contains.

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Color

**XYZ(37.6835, 42.9322,
39.1015)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B49F
RGB	163, 180, 159
RGB Percent	64%, 71%, 62%
CMY	0.3608, 0.2941, 0.3765
CMYK	0.09, 0.00, 0.12, 0.29
HSL	109°, 12%, 66%
HSV	109°, 12%, 71%
XYZ	37.6835, 42.9322, 39.1015
YIQ	172.5230, -3.3910, -10.1350

Conversions

Conversions Part 2

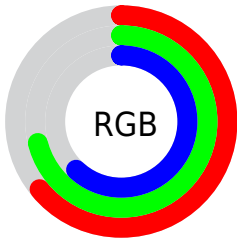
Format	Color
RYB	159, 180, 176
Decimal	10728607
CIELab	71.51, -9.88, 8.72
CIELCh	72, 13.174, 138.564
Yxy	42.9322, 0.3148, 0.3586
Android (android.graphics.Color)	4288918687 (0xFFA3B49F)
YUV	172.5230, -6.6668, -8.3517
Hunter-Lab	65.5227, -12.0055, 10.4838

Details

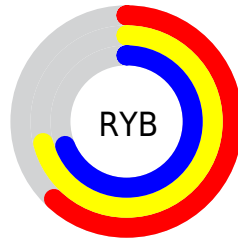
The XYZ color **37.6835, 42.9322, 39.1015** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.5425, 37.3228, 48.3548**, and the grayscale version is **39.5128, 41.5705, 45.2703**.

A 20% lighter version of the original color is **71.0465, 79.7514, 75.2673**, and **16.8517, 19.6410, 17.0903** is the 20% darker color. If you saturate the color by 10%, you get **33.4203, 40.9032, 31.3334**, and if you desaturate by 10%, it is **42.5205, 45.2332, 48.0857**.

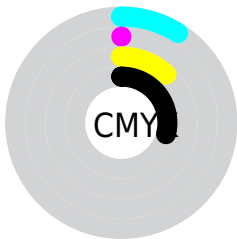
Distribution



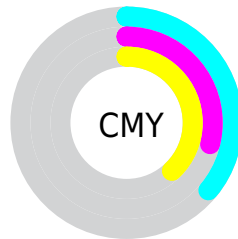
- Red (64%)
- Green (71%)
- Blue (62%)



- Red (62%)
- Yellow (71%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)



- Cyan (36%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6835, 42.9322, 39.1015 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 37.6835, 42.9322, 39.1015 by changing the saturation by 10% instead.

■ 37.6835, 42.9322,
39.1015

■ 37.6835, 42.9322,
39.1015

327.5647,
358.3329, 357.7607

■ 25.9132, 29.8319,
26.5303

■ 70.9298, 79.6085,
75.0154

■ 16.8911, 19.7110,
16.9914

■ 93.1365, 103.9534,
99.1951

■ 10.2517, 12.1852,
10.0665

119.5528,
132.8152, 128.0815

■ 5.6297, 6.8699,
5.3369

150.5440,
166.5784, 162.0929

■ 2.6598, 3.3809,
2.3841

186.4754,
205.6274, 201.6480

■ 0.9765, 1.3337,
0.7778

227.7124,

■ 0.0000, 0.1670,

250.3465, 247.1653

0.0000

274.6204,
301.1202, 299.0633

■ 0.0000, 0.0000,
0.0000

■ 37.6835, 42.9322,
39.1015

■ 37.6835, 42.9322,
39.1015

■ 33.4203, 40.9032,
31.3334

■ 42.5205, 45.2332,
48.0857

■ 29.7058, 39.1307,
24.7264

■ 47.9479, 47.8099,
58.3322

■ 26.5186, 37.6061,
19.2257

■ 53.9862, 50.6733,
69.8881

■ 23.8342, 36.3180,
14.7707

■ 60.6538, 53.8317,
82.7973

■ 21.6262, 35.2544,
11.2951

■ 67.9683, 57.2935,
97.1018

■ 19.8657, 34.4019,
8.7251

■ 73.9529, 60.2688,
102.3430

■ 18.5206, 33.7458,
6.9762

■ 75.6121, 61.1242,
102.4207

■ 17.5540, 33.2693,
5.9483

■ 16.9910, 32.9890,
5.4720

Harmonies

Analogous

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



39.4596, 42.9322, 36.0722



37.6835, 42.9322, 39.1015



36.7568, 42.9322, 44.3598

Triad

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



37.6835, 42.9322, 39.1015



39.9639, 42.9322, 59.8045



44.9946, 42.9322, 42.9547

Complementary

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



37.6835, 42.9322, 39.1015



38.5425, 37.3228, 48.3548

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.



45.1417, 42.9322, 49.2160



37.6835, 42.9322, 39.1015



42.1822, 42.9322, 59.3413

Square

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



37.6835, 42.9322, 39.1015



38.0411, 42.9322, 56.5402



44.0959, 42.9322, 55.3268



43.7012, 42.9322, 38.1535

Rectangle

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



37.6835, 42.9322, 39.1015



36.7221, 42.9322, 48.5932



44.0959, 42.9322, 55.3268



45.1815, 42.9322, 44.9459

Sweetspot

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



37.6847, 42.9340, 39.1024



74.8935, 80.9673, 83.0697



40.5683, 43.1807, 38.9981



16.0421, 17.4310, 17.6838



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



37.6847, 42.9340, 39.1024



66.2411, 76.8520, 67.0684



37.4395, 42.7429, 42.0186



8.5350, 9.5654, 9.0490



11.9018, 23.0457, 3.8210



0.4192, 0.7482, 0.1223

Inverse Universe

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



38.5425, 37.3228, 48.3548



68.1056, 64.6522, 87.1842



38.8328, 37.5450, 45.0931



8.6883, 8.5633, 10.7013



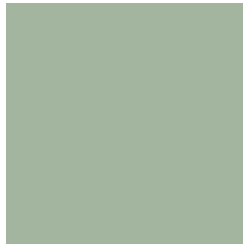
14.0423, 6.5748, 30.6660



0.4827, 0.2279, 0.9668

Previews

White Background



This preview shows how the XYZ color 37.6835, 42.9322, 39.1015 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 37.6835, 42.9322, 39.1015 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

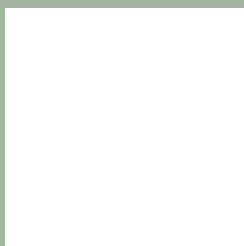
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6835, 42.9322, 39.1015

Background



This preview shows how black text looks on a background with the XYZ color 37.6835, 42.9322, 39.1015.



This preview shows how white text looks on a background with the XYZ color 37.6835, 42.9322,

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

37.6835, 42.9322, 39.1015

Protanopia

40.4282, 42.6175, 37.5477

Deuteranopia

43.6469, 42.8195, 39.6828



Tritanopia

40.9680, 43.0932, 54.8738

Trichromacy



Original Color

37.6835, 42.9322, 39.1015

Protanomaly

39.2903, 42.5989, 38.0499

Deuteranomaly

41.2963, 42.7395, 39.3307

Tritanomaly

39.5847, 42.8059, 48.8239

Monochromacy



Original Color

37.6835, 42.9322, 39.1015

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.9554, 42.3128, 43.1598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6835, 42.9322, 39.1015 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, 180, 159)` looks like.

```
.text, #text, p{  
    color:rgb(163, 180, 159)  
}
```

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, 180, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 180, 159) }
```

Border

The CSS property to change the border of an element to XYZ 37.6835, 42.9322, 39.1015 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, 180, 159) }
```


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

```
.border{ border-color:rgb(163, 180, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 180, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 180, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 180, 159);  
box-shadow:4px 4px 4px 4px rgb(163, 180,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6835, 42.9322, 39.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 180, 159) }
```

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

```
.background{ background-color: rgb(163,  
180, 159) }
```

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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