

Converting Colors

XYZ(37.8017, 39.8758, 49.5078)

Have a look what the booklet for
XYZ(37.8017, 39.8758, 49.5078)
contains.

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Color

**XYZ(37.8195, 39.8722,
49.4189)**

Conversions

Conversions Part 1

Format	Color
Hex	A3AAB5
RGB	163, 170, 181
RGB Percent	64%, 67%, 71%
CMY	0.3608, 0.3333, 0.2902
CMYK	0.10, 0.06, 0.00, 0.29
HSL	217°, 11%, 67%
HSV	217°, 10%, 71%
XYZ	37.8195, 39.8722, 49.4189
YIQ	169.1610, -7.7030, 1.9370

Conversions

Conversions Part 2

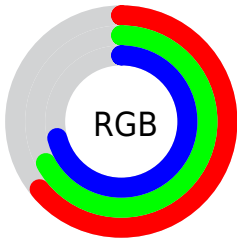
Format	Color
RYB	163, 168, 181
Decimal	10726069
CIELab	69.38, -0.25, -6.50
CIELCh	69, 6.501, 267.778
Yxy	39.8722, 0.2975, 0.3137
Android (android.graphics.Color)	4288916149 (0xFFA3AAB5)
YUV	169.1610, 5.8366, -5.4032
Hunter-Lab	63.1444, -3.5926, -2.2012

Details

The XYZ color **37.8195, 39.8722, 49.4189** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.8032, 42.7400, 40.7502**, and the grayscale version is **37.7675, 39.7343, 43.2707**.

A 20% lighter version of the original color is **71.1247, 74.8703, 90.8235**, and **16.9303, 17.8949, 22.9838** is the 20% darker color. If you saturate the color by 10%, you get **32.3890, 34.1245, 48.5963**, and if you desaturate by 10%, it is **43.9572, 46.2455, 50.3262**.

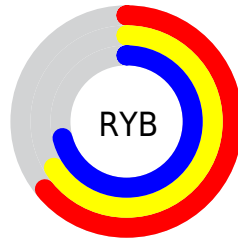
Distribution



Red (64%)

Green (67%)

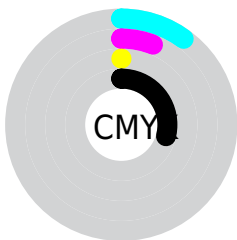
Blue (71%)



Red (64%)

Yellow (66%)

Blue (71%)

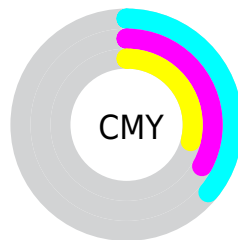


Cyan (10%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (36%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8195, 39.8722, 49.4189 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 37.8195, 39.8722, 49.4189 by changing the saturation by 10% instead.

■ 37.8195, 39.8722,
49.4189

■ 37.8195, 39.8722,
49.4189

328.1393,
345.5846, 401.0589

■ 26.0192, 27.4389,
34.5839

■ 71.1371, 74.9689,
90.7007

■ 16.9708, 17.9031,
23.0616

■ 93.3851, 98.4010,
117.9847

■ 10.3088, 10.8805,
14.4333

119.8463,
126.2683, 150.2553

■ 5.6680, 5.9865,
8.2804

150.8862,
158.9550, 187.9313

■ 2.6830, 2.8369,
4.1846

186.8701,
196.8456, 231.4311

■ 0.9884, 1.0472,
1.7271

228.1634,

■ 0.0000, 0.0000,

240.3245, 281.1733

0.3792

275.1313,
289.7760, 337.5764

■ 0.0000, 0.0000,
0.0000

■ 37.8195, 39.8722,
49.4189

■ 37.8195, 39.8722,
49.4189

■ 32.3890, 34.1245,
48.5963

■ 43.9572, 46.2455,
50.3262

■ 27.6356, 28.9773,
47.8533

■ 50.8237, 53.2586,
51.3180

■ 23.5318, 24.4110,
47.1882

■ 58.4442, 60.9312,
52.3973

■ 20.0471, 20.4029,
46.5983

■ 66.8415, 69.2810,
53.5664

■ 17.1484, 16.9288,
46.0805

■ 76.0374, 78.3247,
54.8273

■ 14.7989, 13.9623,
45.6317

■ 79.6787, 84.7924,
55.8838

■ 12.9574, 11.4742,
45.2485

■ 82.9684, 91.3718,
56.9803

■ 11.5761, 9.4314,
44.9270

■ 85.3406, 96.1162,
57.7711

■ 10.5619, 7.7770,
44.6611

Harmonies

Analogous

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



36.8365, 39.8722, 48.4641



37.8195, 39.8722, 49.4189



38.8410, 39.8722, 48.7045

Triad

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



37.8195, 39.8722, 49.4189



39.7022, 39.8722, 40.7883



36.2235, 39.8722, 40.4188

Complementary

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



37.8195, 39.8722, 49.4189



40.8032, 42.7400, 40.7502

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.



36.9690, 39.8722, 38.5213



37.8195, 39.8722, 49.4189



38.9783, 39.8722, 38.7276

Square

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



37.8195, 39.8722, 49.4189



39.9398, 39.8722, 43.6375



37.9753, 39.8722, 37.9165



35.9257, 39.8722, 43.1914

Rectangle

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



37.8195, 39.8722, 49.4189



39.4042, 39.8722, 47.3952



37.9753, 39.8722, 37.9165



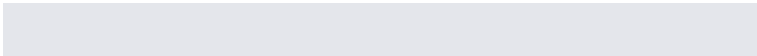
36.4294, 39.8722, 39.6623

Sweetspot

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



37.8207, 39.8739, 49.4198



75.1741, 79.1582, 89.6116



39.2493, 43.8832, 46.3446



16.0546, 16.9088, 19.3398



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.



37.8207, 39.8739, 49.4198



65.4319, 68.9932, 88.1630



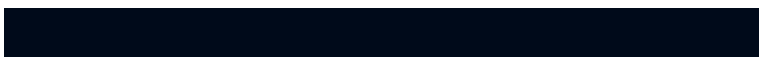
36.9139, 37.5093, 49.0112



8.3041, 8.7543, 10.7584



7.3407, 5.4817, 30.8082



0.2886, 0.2877, 0.9886

Inverse Universe

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



39.4099, 38.9213, 43.4676



68.8848, 66.9834, 75.2171



41.7721, 45.3004, 41.1933



8.6287, 8.5582, 9.5430



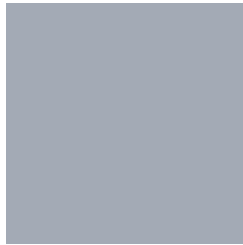
13.9399, 7.0935, 4.8434



0.4677, 0.2348, 0.3055

Previews

White Background



This preview shows how the XYZ color 37.8195, 39.8722, 49.4189 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 37.8195, 39.8722, 49.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

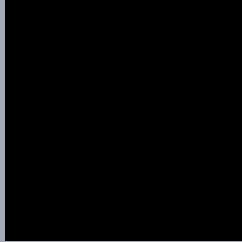
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

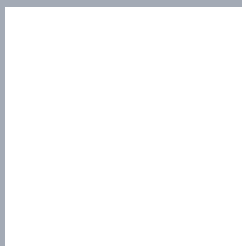
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8195, 39.8722, 49.4189

Background



This preview shows how black text looks on a background with the XYZ color 37.8195, 39.8722, 49.4189.

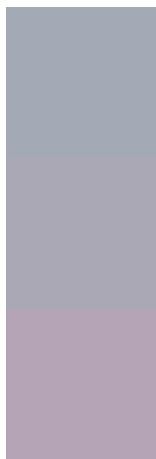


This preview shows how white text looks on a background with the XYZ color 37.8195, 39.8722,

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

37.8195, 39.8722, 49.4189

Protanopia

38.6030, 39.7356, 48.8151

Deuteranopia

40.5413, 39.6316, 49.7689



Tritanopia

38.0262, 39.9549, 50.5076

Trichromacy



Original Color

37.8195, 39.8722, 49.4189

Protanomaly

38.3625, 39.8867, 48.8570

Deuteranomaly

39.5353, 39.6485, 49.8252

Tritanomaly

37.9225, 39.9134, 49.9613

Monochromacy



Original Color

37.8195, 39.8722, 49.4189

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.6671, 39.6086, 45.1951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8195, 39.8722, 49.4189 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.8195, 39.8722, 49.4189 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, 181) }
```


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

```
.border{ border-color:rgb(163, 170, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 181);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8195, 39.8722, 49.4189 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, 181) }
```

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

```
.background{ background-color: rgb(163,  
170, 181) }
```

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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