

Converting Colors

XYZ(38.7308, 39.7785, 49.5017)

Have a look what the booklet for
XYZ(38.7308, 39.7785, 49.5017)
contains.

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Color

**XYZ(38.7053, 39.7765,
49.3537)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A8B5
RGB	169, 168, 181
RGB Percent	66%, 66%, 71%
CMY	0.3372, 0.3412, 0.2902
CMYK	0.07, 0.07, 0.00, 0.29
HSL	245°, 8%, 68%
HSV	245°, 7%, 71%
XYZ	38.7053, 39.7765, 49.3537
YIQ	169.7810, -3.5770, 4.2550

Conversions

Conversions Part 2

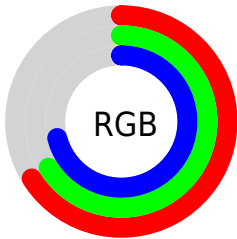
Format	Color
R _Y B	169, 168, 181
Decimal	11118773
CIE Lab	69.31, 2.89, -6.55
CIE LCh	69, 7.156, 293.832
Yxy	39.7765, 0.3028, 0.3112
Android (android.graphics.Color)	4289308853 (0xFFA9A8B5)
YUV	169.7810, 5.5310, -0.6849
Hunter-Lab	63.0686, -0.8244, -2.2488

Details

The XYZ color **38.7053, 39.7765, 49.3537** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.4157, 45.5793, 43.6099**, and the grayscale version is **38.0751, 40.0579, 43.6231**.

A 20% lighter version of the original color is **72.4142, 74.7371, 90.7298**, and **17.4778, 17.8312, 22.9427** is the 20% darker color. If you saturate the color by 10%, you get **32.2349, 31.8217, 48.1599**, and if you desaturate by 10%, it is **46.1014, 48.9011, 50.7257**.

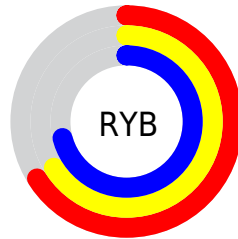
Distribution



Red (66%)

Green (66%)

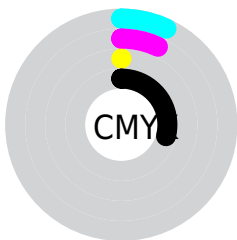
Blue (71%)



Red (66%)

Yellow (66%)

Blue (71%)

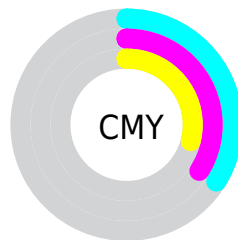


Cyan (7%)

Magenta (7%)

Yellow (0%)

Black (29%)



Cyan (34%)

Magenta (34%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7053, 39.7765, 49.3537 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 38.7053, 39.7765, 49.3537 by changing the saturation by 10% instead.

■ 38.7053, 39.7765,
49.3537

■ 38.7053, 39.7765,
49.3537

331.8647,
345.1807, 400.7955

■ 26.7102, 27.3643,
34.5326

■ 72.4849, 74.8231,
90.6030

■ 17.4912, 17.8470,
23.0224

■ 95.0001, 98.2262,
117.8682

■ 10.6828, 10.8402,
14.4046

121.7527,
126.0619, 150.1185

■ 5.9197, 5.9595,
8.2606

153.1081,
158.7143, 187.7724

■ 2.8365, 2.8205,
4.1720

189.4317,
196.5681, 231.2486

■ 1.0679, 1.0387,
1.7202

231.0887,

■ 0.0000, 0.0000,

240.0074, 280.9655

0.3745

278.4446,
289.4168, 337.3416

■ 0.0000, 0.0000,
0.0000

■ 38.7053, 39.7765,
49.3537

■ 38.7053, 39.7765,
49.3537

■ 32.2349, 31.8217,
48.1599

■ 46.1014, 48.9011,
50.7257

■ 26.6503, 24.9846,
47.1346

■ 54.4541, 59.2350,
52.2801

■ 21.9141, 19.2167,
46.2709

■ 63.7970, 70.8218,
54.0242

■ 17.9846, 14.4637,
45.5606

■ 74.1612, 83.7015,
55.9640

■ 14.8166, 10.6669,
44.9947

■ 84.4480, 95.6561,
57.7293

■ 12.3607, 7.7613,
44.5633

■ 85.3406, 96.1162,
57.7710

■ 10.5614, 5.6738,
44.2552

■ 9.3548, 4.3199,
44.0574

■ 8.6568, 3.5815,
43.9517

Harmonies

Analogous

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



37.5697, 39.7765, 49.9039



38.7053, 39.7765, 49.3537



39.6165, 39.7765, 47.1488

Triad

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



38.7053, 39.7765, 49.3537



39.1241, 39.7765, 38.4042



35.6540, 39.7765, 42.6342

Complementary

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



38.7053, 39.7765, 49.3537



42.4157, 45.5793, 43.6099

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.



36.0522, 39.7765, 39.6852



38.7053, 39.7765, 49.3537



38.0440, 39.7765, 37.3239

Square

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



38.7053, 39.7765, 49.3537



39.8617, 39.7765, 40.8054



36.9215, 39.7765, 37.7807



35.8230, 39.7765, 45.9147

Rectangle

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



38.7053, 39.7765, 49.3537



39.9663, 39.7765, 45.0941



36.9215, 39.7765, 37.7807



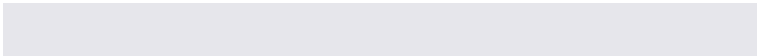
35.7257, 39.7765, 41.5733

Sweetspot

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



38.7065, 39.7782, 49.3546



75.9281, 79.3849, 89.6156



40.8384, 44.3584, 50.1263



16.4419, 17.1963, 19.3749



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.



38.7065, 39.7782, 49.3546



66.9098, 68.2715, 87.9458



40.1062, 40.4998, 49.4201



8.1004, 8.2603, 10.6738



5.8978, 2.3762, 30.2848



0.2054, 0.0850, 0.9538

Inverse Universe

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



41.2983, 41.1261, 48.9436



72.7508, 71.3096, 87.0056



40.9670, 44.8324, 43.5421



8.8213, 8.6353, 10.5576



17.9640, 8.7032, 26.0343



0.5735, 0.2771, 0.8627

Previews

White Background



This preview shows how the XYZ color 38.7053, 39.7765, 49.3537 looks on a white background.

Color Contrast Check

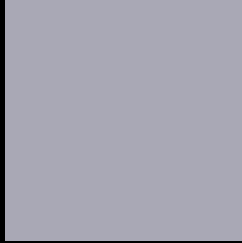
Large Text (above 18pt) WCAG AA × Fail

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 38.7053, 39.7765, 49.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

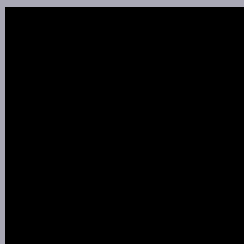
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

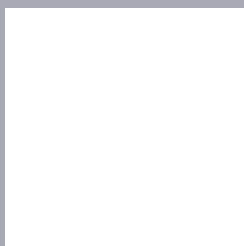
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7053, 39.7765, 49.3537

Background



This preview shows how black text looks on a background with the XYZ color 38.7053, 39.7765, 49.3537.

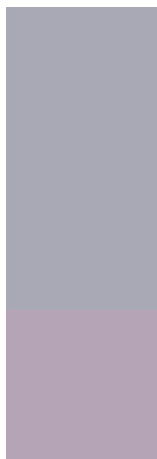


This preview shows how white text looks on a background with the XYZ color 38.7053, 39.7765,

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

38.7053, 39.7765, 49.3537

Protanopia

38.7053, 39.7765, 49.3537

Deuteranopia

40.5413, 39.6316, 49.7689



Tritanopia

38.7053, 39.7765, 49.3537

Trichromacy



Original Color

38.7053, 39.7765, 49.3537

Protanomaly

38.7053, 39.7765, 49.3537

Deuteranomaly

39.8031, 39.5178, 49.7858

Tritanomaly

38.7053, 39.7765, 49.3537

Monochromacy



Original Color

38.7053, 39.7765, 49.3537

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.4055, 39.9780, 45.7367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7053, 39.7765, 49.3537 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(169, 168, 181)` looks like.

```
.text, #text, p{  
    color:rgb(169, 168, 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(169, 168, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 168, 181) }
```

Border

The CSS property to change the border of an element to XYZ 38.7053, 39.7765, 49.3537 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(169, 168, 181) }
```


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

```
.border{ border-color:rgb(169, 168, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 168, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 168, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 168, 181);  
box-shadow:4px 4px 4px 4px rgb(169, 168,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7053, 39.7765, 49.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 168, 181) }
```

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

```
.background{ background-color: rgb(169,  
168, 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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