

Converting Colors

XYZ(36.8450, 38.8814, 39.0783)

Have a look what the booklet for
XYZ(36.8450, 38.8814, 39.0783)
contains.

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Color

**XYZ(36.8293, 38.7567,
39.2579)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA7A1
RGB	170, 167, 161
RGB Percent	67%, 65%, 63%
CMY	0.3333, 0.3451, 0.3686
CMYK	0.00, 0.02, 0.05, 0.33
HSL	40°, 5%, 65%
HSV	40°, 5%, 67%
XYZ	36.8293, 38.7567, 39.2579
YIQ	167.2130, 3.7140, -1.2300

Conversions

Conversions Part 2

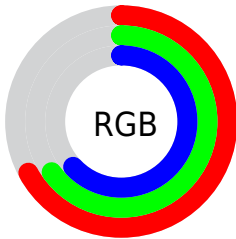
Format	Color
RYB	166, 170, 161
Decimal	11184033
CIELab	68.57, -0.03, 3.47
CIELCh	69, 3.470, 90.424
Yxy	38.7567, 0.3207, 0.3375
Android (android.graphics.Color)	4289374113 (0xFFAAA7A1)
YUV	167.2130, -3.0630, 2.4442
Hunter-Lab	62.2549, -3.3474, 6.1902

Details

The XYZ color **36.8293, 38.7567, 39.2579** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2291, 37.0297, 43.3213**, and the grayscale version is **36.8485, 38.7675, 42.2178**.

A 20% lighter version of the original color is **69.5673, 73.2080, 75.4297**, and **16.4164, 17.2388, 17.2140** is the 20% darker color. If you saturate the color by 10%, you get **34.4169, 36.1698, 31.5535**, and if you desaturate by 10%, it is **39.4931, 41.5193, 48.0527**.

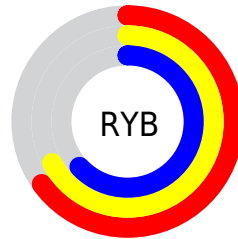
Distribution



Red (67%)

Green (65%)

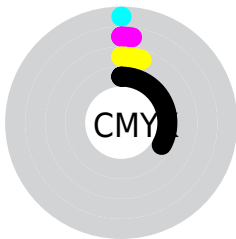
Blue (63%)



Red (65%)

Yellow (67%)

Blue (63%)

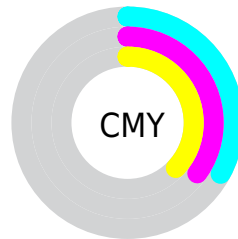


Cyan (0%)

Magenta (2%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (35%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8293, 38.7567, 39.2579 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 36.8293, 38.7567, 39.2579 by changing the saturation by 10% instead.

■ 36.8293, 38.7567,
39.2579

■ 36.8293, 38.7567,
39.2579

323.9393,
340.8550, 358.4444

■ 25.2484, 26.5705,
26.6510

■ 69.6257, 73.2665,
75.2568

■ 16.3920, 17.2509,
17.0812

■ 91.5719, 96.3589,
99.4860

■ 9.8945, 10.4136,
10.1298

117.7040,
123.8555, 128.4263

■ 5.3908, 5.6740,
5.3784

148.3873,
156.1406, 162.4963

■ 2.5154, 2.6479,
2.4084

183.9871,
193.5988, 202.1146

■ 0.9030, 0.9508,
0.7910

224.8688,

■ 0.0000, 0.0000,

236.6143, 247.6997

0.0000

271.3977,
285.5715, 299.6701

■ 36.8293, 38.7567,
39.2579

■ 36.8293, 38.7567,
39.2579

■ 34.4169, 36.1698,
31.5535

■ 39.4931, 41.5193,
48.0527

■ 32.2439, 33.7492,
24.8938

■ 42.4135, 44.4568,
57.9762

■ 30.3022, 31.4918,
19.2336

■ 45.5992, 47.5749,
69.0679

■ 28.5817, 29.3928,
14.5231

■ 49.0578, 50.8774,
81.3646

■ 27.0717, 27.4468,
10.7086

■ 52.7966, 54.3681,
94.9016

■ 25.7603, 25.6481,
7.7306

■ 55.5069, 57.5244,
102.7855

■ 24.6342, 23.9904,
5.5228

■ 56.8507, 60.2120,
103.2335

■ 23.6784, 22.4666,
4.0082

■ 58.2436, 62.9978,
103.6978

■ 22.8738, 21.0680,
3.0907

■ 59.6861, 65.8828,
104.1786

Harmonies

Analogous

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



37.3588, 38.7567, 39.6331



36.8293, 38.7567, 39.2579



36.3069, 38.7567, 39.6545

Triad

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



36.8293, 38.7567, 39.2579



35.9374, 38.7567, 43.7436



37.7596, 38.7567, 43.7040

Complementary

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



36.8293, 38.7567, 39.2579



35.2291, 37.0297, 43.3213

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.



37.3724, 38.7567, 44.8511



36.8293, 38.7567, 39.2579



36.3203, 38.7567, 44.8743

Square

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



36.8293, 38.7567, 39.2579



35.7951, 38.7567, 42.2217



36.8449, 38.7567, 45.2844



37.8991, 38.7567, 42.1772

Rectangle

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



36.8293, 38.7567, 39.2579



36.0322, 38.7567, 40.3090



36.8449, 38.7567, 45.2844



37.6539, 38.7567, 44.1482

Sweetspot

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



36.8304, 38.7584, 39.2587



68.3476, 71.9194, 76.2072



36.0238, 36.7167, 40.3109



15.2536, 16.0507, 17.0334



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



36.8304, 38.7584, 39.2587



66.4506, 69.9279, 70.0179



37.0633, 39.7030, 39.4288



8.0856, 8.5086, 8.4728



16.6237, 15.1447, 2.0470



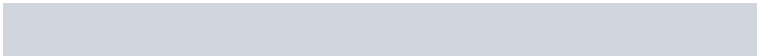
0.4485, 0.4566, 0.0645

Inverse Universe

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



35.2291, 37.0297, 43.3213



63.1160, 66.3281, 78.4779



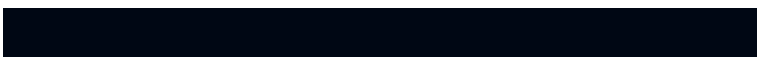
35.0032, 36.1265, 43.1589



7.6542, 8.0429, 9.5673



6.4461, 4.3523, 28.4758



0.2036, 0.1994, 0.7084

Previews

White Background



This preview shows how the XYZ color 36.8293, 38.7567, 39.2579 looks on a white background.

Color Contrast Check

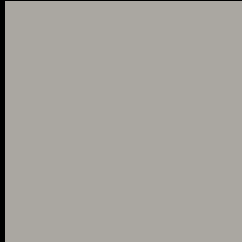
Large Text (above 18pt) WCAG AA × Fail

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 36.8293, 38.7567, 39.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

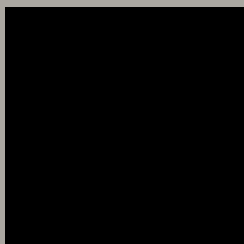
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

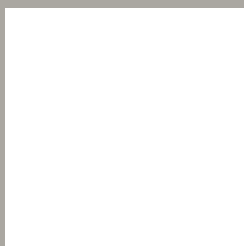
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8293, 38.7567, 39.2579

Background



This preview shows how black text looks on a background with the XYZ color 36.8293, 38.7567, 39.2579.



This preview shows how white text looks on a background with the XYZ color 36.8293, 38.7567,

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

36.8293, 38.7567, 39.2579

Protanopia

37.0825, 38.6163, 39.2174

Deuteranopia

39.4495, 38.7636, 39.5853



Tritanopia

38.4042, 38.8552, 47.0707

Trichromacy



Original Color

36.8293, 38.7567, 39.2579

Protanomaly

36.8638, 38.5036, 39.2072

Deuteranomaly

38.6194, 38.8629, 39.6482

Tritanomaly

37.7815, 38.8706, 44.0396

Monochromacy



Original Color

36.8293, 38.7567, 39.2579

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7587, 38.6789, 41.1257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8293, 38.7567, 39.2579 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(170, 167, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 167, 161)  
}
```

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(170, 167, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 167, 161) }
```

Border

The CSS property to change the border of an element to XYZ 36.8293, 38.7567, 39.2579 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(170, 167, 161) }
```


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

```
.border{ border-color:rgb(170, 167, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 167, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 167, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 167, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 167,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8293, 38.7567, 39.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 167, 161) }
```

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

```
.background{ background-color: rgb(170,  
167, 161) }
```

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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