

Converting Colors

XYZ(36.5451, 38.7398, 42.0150)

Have a look what the booklet for
XYZ(36.5451, 38.7398, 42.0150)
contains.

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Color

**XYZ(36.7036, 38.9023,
42.1336)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A8A7
RGB	166, 168, 167
RGB Percent	65%, 66%, 65%
CMY	0.3490, 0.3412, 0.3451
CMYK	0.01, 0.00, 0.01, 0.34
HSL	150°, 1%, 65%
HSV	150°, 1%, 66%
XYZ	36.7036, 38.9023, 42.1336
YIQ	167.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

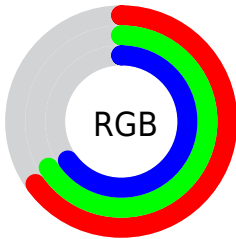
Format	Color
<code>RYB</code>	<code>166, 167, 168</code>
Decimal	<code>10922151</code>
CIELab	<code>68.68, -0.90, 0.26</code>
CIELCh	<code>69, 0.933, 163.934</code>
Yxy	<code>38.9023, 0.3117, 0.3304</code>
Android (<code>android.graphics.Color</code>)	<code>4289112231 (0xFFA6A8A7)</code>
YUV	<code>167.2880, -0.1420, -1.1296</code>
Hunter-Lab	<code>62.3717, -4.1094, 3.6084</code>

Details

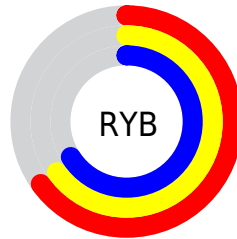
The XYZ color **36.7036, 38.9023, 42.1336** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7612, 38.3884, 42.0334**, and the grayscale version is **36.8729, 38.7932, 42.2458**.

A 20% lighter version of the original color is **69.3913, 73.4214, 79.6217**, and **16.2793, 17.3060, 18.7020** is the 20% darker color. If you saturate the color by 10%, you get **32.6568, 36.9042, 38.0158**, and if you desaturate by 10%, it is **41.2633, 41.1612, 46.5412**.

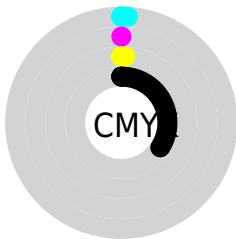
Distribution



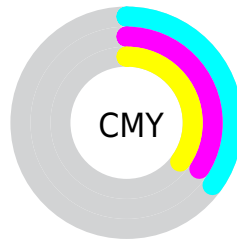
- Red (65%)
- Green (66%)
- Blue (65%)



- Red (65%)
- Yellow (65%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7036, 38.9023, 42.1336 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 36.7036, 38.9023, 42.1336 by changing the saturation by 10% instead.

■ 36.7036, 38.9023,
42.1336

■ 36.7036, 38.9023,
42.1336

323.4034,
341.4749, 370.8524

■ 25.1507, 26.6837,
28.8796

■ 69.4335, 73.4890,
79.6741

■ 16.3187, 17.3358,
18.7449

■ 91.3412, 96.6260,
104.7976

■ 9.8422, 10.4742,
11.3112

117.4312,
124.1712, 134.7146

■ 5.3559, 5.7145,
6.1597

148.0689,
156.5091, 169.8438

■ 2.4945, 2.6723,
2.8721

183.6196,
194.0240, 210.6036

■ 0.8925, 0.9631,
1.0297

224.4486,

■ 0.0000, 0.0000,

237.1003, 257.4127

0.0000

270.9214,
286.1225, 310.6894

■ 36.7036, 38.9023,
42.1336

■ 36.7036, 38.9023,
42.1336

■ 32.6568, 36.9042,
38.0158

■ 41.2633, 41.1612,
46.5412

■ 29.1010, 35.1523,
34.1794

■ 46.3503, 43.6849,
51.2416

■ 26.0174, 33.6383,
30.6191

■ 51.9825, 46.4835,
56.2414

■ 23.3849, 32.3513,
27.3288

■ 58.1758, 49.5653,
61.5457

■ 21.1806, 31.2796,
24.3018

■ 64.9458, 52.9381,
67.1599

■ 19.3794, 30.4105,
21.5313

■ 67.8303, 54.3015,
72.8794

■ 17.9538, 29.7299,
19.0102

■ 68.9561, 54.7519,
78.8081

■ 16.8722, 29.2217,
16.7308

■ 70.1386, 55.2249,
85.0352

■ 16.0977, 28.8669,
14.6852

■ 71.3786, 55.7209,
91.5647

Harmonies

Analogous

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



36.7790, 38.9023, 41.7757



36.7036, 38.9023, 42.1336



36.7009, 38.9023, 42.5539

Triad

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



36.7036, 38.9023, 42.1336



37.0438, 38.9023, 43.1512



37.1801, 38.9023, 41.7969

Complementary

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



36.7036, 38.9023, 42.1336



36.7612, 38.3884, 42.0334

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.



37.2514, 38.9023, 42.1627



36.7036, 38.9023, 42.1336



37.1726, 38.9023, 42.9456

Square

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



36.7036, 38.9023, 42.1336



36.8970, 38.9023, 43.1433



37.2487, 38.9023, 42.5832



37.0540, 38.9023, 41.5822

Rectangle

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



36.7036, 38.9023, 42.1336



36.7407, 38.9023, 42.8130



37.2487, 38.9023, 42.5832



37.2113, 38.9023, 41.9062

Sweetspot

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



36.7047, 38.9040, 42.1344



67.5393, 71.0566, 77.3807



36.8304, 38.9794, 41.6596



14.7206, 15.4872, 16.8656



80.6108, 84.8088, 92.3568

Same Dimension

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



36.7047, 38.9040, 42.1344



66.7383, 70.6604, 76.5895



36.7947, 38.9400, 42.6084



8.3662, 8.8529, 9.5997



11.8048, 21.6407, 10.0047



0.3131, 0.5369, 0.3796

Inverse Universe

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



36.7612, 38.3884, 42.0334



66.8260, 69.8602, 76.4328



36.6719, 38.3526, 41.5631



8.3762, 8.7614, 9.5818



13.4328, 6.7818, 7.0908



0.3527, 0.1753, 0.3086

Previews

White Background



This preview shows how the XYZ color 36.7036, 38.9023, 42.1336 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 36.7036, 38.9023, 42.1336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

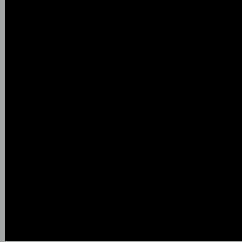
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

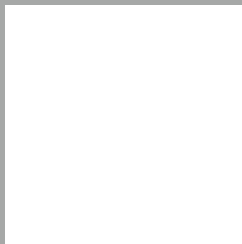
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7036, 38.9023, 42.1336

Background



This preview shows how black text looks on a background with the XYZ color 36.7036, 38.9023, 42.1336.



This preview shows how white text looks on a background with the XYZ color 36.7036, 38.9023,

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

36.7036, 38.9023, 42.1336

Protanopia

37.4962, 39.0485, 41.6372

Deuteranopia

39.5167, 38.7351, 42.4397



Tritanopia

37.9214, 38.8519, 48.1483

Trichromacy



Original Color

36.7036, 38.9023, 42.1336

Protanomaly

37.0638, 38.8256, 41.6170

Deuteranomaly

38.4748, 38.7252, 42.4927

Tritanomaly

37.4929, 38.9481, 46.0991

Monochromacy



Original Color

36.7036, 38.9023, 42.1336

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7301, 38.6429, 42.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7036, 38.9023, 42.1336 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(166, 168, 167)` looks like.

```
.text, #text, p{  
    color:rgb(166, 168, 167)  
}
```

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(166, 168, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 168, 167) }
```

Border

The CSS property to change the border of an element to XYZ 36.7036, 38.9023, 42.1336 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(166, 168, 167) }
```

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

```
.border{ border-color:rgb(166, 168, 167) }
```

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

Here you see how a box with a 4 pixel rgb(166, 168, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 168, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 168, 167);  
box-shadow:4px 4px 4px 4px rgb(166, 168,  
167) }
```


Background

The CSS property to change the background color of an element to XYZ 36.7036, 38.9023, 42.1336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 168, 167) }
```

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

```
.background{ background-color: rgb(166,  
168, 167) }
```

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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