

Converting Colors

XYZ(37.3408, 37.9721, 51.1934)

Have a look what the booklet for
XYZ(37.3408, 37.9721, 51.1934)
contains.

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Color

**XYZ(37.3423, 37.9462,
51.2551)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A4B9
RGB	164, 164, 185
RGB Percent	64%, 64%, 73%
CMY	0.3569, 0.3568, 0.2745
CMYK	0.11, 0.11, 0.00, 0.27
HSL	240°, 13%, 68%
HSV	240°, 11%, 73%
XYZ	37.3423, 37.9462, 51.2551
YIQ	166.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

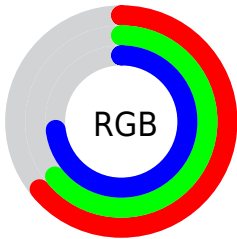
Format	Color
RYB	164, 164, 185
Decimal	10790073
CIELab	67.98, 4.22, -10.79
CIELCh	68, 11.581, 291.359
Yxy	37.9462, 0.2951, 0.2999
Android (android.graphics.Color)	4288980153 (0xFFA4A4B9)
YUV	166.3940, 9.1728, -2.0995
Hunter-Lab	61.6005, 0.4061, -6.2123

Details

The XYZ color **37.3423, 37.9462, 51.2551** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.0577, 47.6925, 42.0064**, and the grayscale version is **36.3964, 38.2919, 41.6998**.

A 20% lighter version of the original color is **70.4221, 72.0740, 93.4191**, and **16.6411, 16.6990, 24.1759** is the 20% darker color. If you saturate the color by 10%, you get **30.7255, 29.9738, 50.0656**, and if you desaturate by 10%, it is **44.9983, 47.1712, 52.6328**.

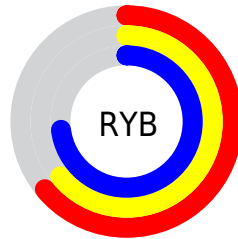
Distribution



Red (64%)

Green (64%)

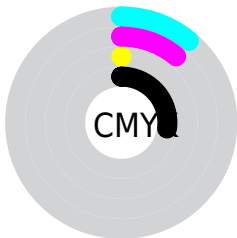
Blue (73%)



Red (64%)

Yellow (64%)

Blue (73%)

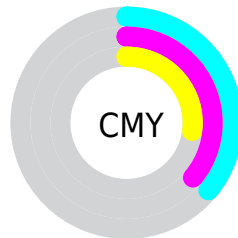


Cyan (11%)

Magenta (11%)

Yellow (0%)

Black (27%)



Cyan (36%)

Magenta (36%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3423, 37.9462, 51.2551 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 37.3423, 37.9462, 51.2551 by changing the saturation by 10% instead.

■ 37.3423, 37.9462,
51.2551

■ 37.3423, 37.9462,
51.2551

326.1200,
337.3891, 408.4289

■ 25.6475, 25.9409,
36.0335

■ 70.4093, 72.0257,
93.4471

■ 16.6914, 16.7795,
24.1702

■ 92.5123, 94.8687,
121.2546

■ 10.1087, 10.0774,
15.2466

118.8154,
122.0930, 154.0945

■ 5.5339, 5.4503,
8.8441

149.6840,
154.0831, 192.3854

■ 2.6017, 2.5138,
4.5442

185.4834,
191.2234, 236.5457

■ 0.9468, 0.8835,
1.9284

226.5789,

■ 0.0000, 0.0000,

233.8982, 286.9940

0.5107

273.3360,
282.4920, 344.1489

■ 0.0000, 0.0000,
0.0000

■ 37.3423, 37.9462,
51.2551

■ 37.3423, 37.9462,
51.2551

■ 30.7255, 29.9738,
50.0656

■ 44.9983, 47.1712,
52.6328

■ 25.0999, 23.1954,
49.0537

■ 53.7319, 57.6943,
54.2036

■ 20.4189, 17.5551,
48.2118

■ 63.5839, 69.5650,
55.9757

■ 16.6306, 12.9905,
47.5304

■ 74.5917, 82.8284,
57.9556

■ 13.6784, 9.4332,
46.9993

■ 85.7571, 96.2828,
59.9641

■ 11.4990, 6.8071,
46.6073

■ 10.0202, 5.0251,
46.3413

■ 9.1563, 3.9840,
46.1859

■ 8.7572, 3.5031,
46.1141

Harmonies

Analogous

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



35.5491, 37.9462, 51.9142



37.3423, 37.9462, 51.2551



38.8388, 37.9462, 47.8221

Triad

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



37.3423, 37.9462, 51.2551



38.2718, 37.9462, 34.0469



32.7514, 37.9462, 39.8453

Complementary

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



37.3423, 37.9462, 51.2551



44.0577, 47.6925, 42.0064

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.



33.4298, 37.9462, 35.4302



37.3423, 37.9462, 51.2551



36.5893, 37.9462, 32.2699

Square

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



37.3423, 37.9462, 51.2551



39.3877, 37.9462, 37.8102



34.8205, 37.9462, 32.7544



32.9378, 37.9462, 45.0341

Rectangle

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



37.3423, 37.9462, 51.2551



39.4473, 37.9462, 44.5676



34.8205, 37.9462, 32.7544



32.8850, 37.9462, 38.2284

Sweetspot

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



37.3434, 37.9478, 51.2559



78.1281, 81.5151, 93.8208



41.3796, 46.0791, 52.4192



16.5958, 17.2754, 20.1814



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.3434, 37.9478, 51.2559



63.2828, 63.6279, 91.1507



39.5222, 39.0705, 51.3578



8.5212, 8.7196, 11.3134



5.9628, 2.3854, 31.3992



0.2102, 0.0841, 1.1069

Inverse Universe

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



39.9848, 39.5465, 40.6495



69.0971, 67.1471, 67.8036



41.6961, 46.4755, 41.8960



9.0047, 9.0122, 9.3720



13.6234, 7.0231, 0.6379



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 37.3423, 37.9462, 51.2551 looks on a white background.

Color Contrast Check

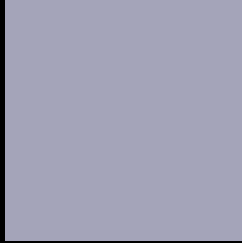
Large Text (above 18pt) WCAG AA × Fail

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 37.3423, 37.9462, 51.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

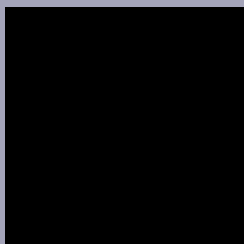
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3423, 37.9462, 51.2551

Background



This preview shows how black text looks on a background with the XYZ color 37.3423, 37.9462, 51.2551.



This preview shows how white text looks on a background with the XYZ color 37.3423, 37.9462,

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

37.3423, 37.9462, 51.2551

Protanopia

37.1367, 37.8402, 51.2455

Deuteranopia

38.6211, 37.8056, 51.7160



Tritanopia

36.5953, 37.9111, 47.5083

Trichromacy



Original Color

37.3423, 37.9462, 51.2551

Protanomaly

37.1367, 37.8402, 51.2455

Deuteranomaly

38.1454, 37.8208, 51.7440

Tritanomaly

36.8999, 38.0330, 49.1123

Monochromacy



Original Color

37.3423, 37.9462, 51.2551

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.5150, 37.9267, 44.9312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3423, 37.9462, 51.2551 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(164, 164, 185)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 185)  
}
```

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(164, 164, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 185) }
```

Border

The CSS property to change the border of an element to XYZ 37.3423, 37.9462, 51.2551 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(164, 164, 185) }
```


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

```
.border{ border-color:rgb(164, 164, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 185);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3423, 37.9462, 51.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 185) }
```

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

```
.background{ background-color: rgb(164,  
164, 185) }
```

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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