

Converting Colors

XYZ(37.9931, 38.0888, 51.5942)

Have a look what the booklet for
XYZ(37.9931, 38.0888, 51.5942)
contains.

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Color

**XYZ(37.8965, 37.9550,
51.7831)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A3BA
RGB	167, 163, 186
RGB Percent	65%, 64%, 73%
CMY	0.3451, 0.3608, 0.2706
CMYK	0.10, 0.12, 0.00, 0.27
HSL	250°, 14%, 68%
HSV	250°, 12%, 73%
XYZ	37.8965, 37.9550, 51.7831
YIQ	166.8180, -4.9990, 8.0010

Conversions

Conversions Part 2

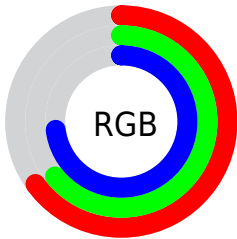
Format	Color
R _Y B	167, 163, 186
Decimal	10986426
CIE Lab	67.99, 5.99, -11.31
CIE LCh	68, 12.797, 297.924
Yxy	37.9550, 0.2969, 0.2974
Android (android.graphics.Color)	4289176506 (0xFFA7A3BA)
YUV	166.8180, 9.4567, 0.1596
Hunter-Lab	61.6076, 1.9868, -6.7097

Details

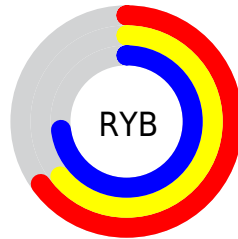
The XYZ color **37.8965, 37.9550, 51.7831** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.4624, 47.7082, 41.5699**, and the grayscale version is **36.6002, 38.5062, 41.9333**.

A 20% lighter version of the original color is **71.2226, 72.0832, 94.1640**, and **16.9883, 16.7072, 24.5197** is the 20% darker color. If you saturate the color by 10%, you get **31.7783, 30.2545, 50.6198**, and if you desaturate by 10%, it is **44.8885, 46.8290, 53.1280**.

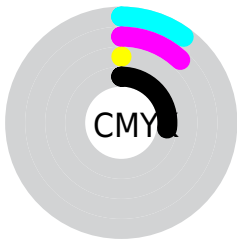
Distribution



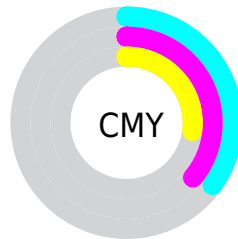
- Red (65%)
- Green (64%)
- Blue (73%)



- Red (65%)
- Yellow (64%)
- Blue (73%)



- Cyan (10%)
- Magenta (12%)
- Yellow (0%)
- Black (27%)



- Cyan (35%)
- Magenta (36%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8965, 37.9550, 51.7831 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 37.8965, 37.9550, 51.7831 by changing the saturation by 10% instead.

■ 37.8965, 37.9550,
51.7831

■ 37.8965, 37.9550,
51.7831

328.4643,
337.4269, 410.5318

■ 26.0792, 25.9478,
36.4512

■ 71.2544, 72.0392,
94.2346

■ 17.0159, 16.7846,
24.4904

■ 93.5257, 94.8849,
122.1913

■ 10.3412, 10.0810,
15.4822

120.0124,
122.1122, 155.1932

■ 5.6898, 5.4527,
9.0082

151.0799,
154.1055, 193.6590

■ 2.6962, 2.5153,
4.6496

187.0935,
191.2493, 238.0073

■ 0.9952, 0.8843,
1.9881

228.4185,

■ 0.0000, 0.0000,

233.9278, 288.6565

0.5479

275.4203,
282.5256, 346.0251

■ 0.0000, 0.0000,
0.0000

■ 37.8965, 37.9550,
51.7831

■ 37.8965, 37.9550,
51.7831

■ 31.7783, 30.2545,
50.6198

■ 44.8885, 46.8290,
53.1280

■ 26.4959, 23.6735,
49.6280

■ 52.7834, 56.9180,
54.6593

■ 22.0135, 18.1610,
48.8002

■ 61.6133, 68.2673,
56.3845

■ 18.2914, 13.6600,
48.1276

■ 71.4078, 80.9184,
58.3102

■ 15.2864, 10.1081,
47.6004

■ 81.8736, 94.2686,
60.3355

■ 12.9509, 7.4362,
47.2077

■ 85.8630, 96.3252,
60.5222

■ 11.2311, 5.5652,
46.9373

■ 10.0646, 4.4018,
46.7742

■ 9.4692, 3.8577,
46.7005

Harmonies

Analogous

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



35.9367, 37.9550, 53.2715



37.8965, 37.9550, 51.7831



39.4149, 37.9550, 47.4223

Triad

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



37.8965, 37.9550, 51.7831



38.1451, 37.9550, 32.7204



32.3853, 37.9550, 40.9309

Complementary

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



37.8965, 37.9550, 51.7831



43.4624, 47.7082, 41.5699

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.



32.9295, 37.9550, 35.7769



37.8965, 37.9550, 51.7831



36.2139, 37.9550, 31.3157

Square

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



37.8965, 37.9550, 51.7831



39.5621, 37.9550, 36.4050



34.3130, 37.9550, 32.3819



32.7993, 37.9550, 46.6728

Rectangle

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



37.8965, 37.9550, 51.7831



39.9470, 37.9550, 43.6614



34.3130, 37.9550, 32.3819



32.4618, 37.9550, 39.0764

Sweetspot

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



37.8976, 37.9566, 51.7839



79.0912, 81.9887, 95.8583



40.7305, 44.8570, 52.9665



17.1978, 17.7763, 21.0673



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.8976, 37.9566, 51.7839



65.3326, 64.5576, 93.2189



40.3980, 39.2456, 51.9010



8.6628, 8.7925, 11.3200



6.4158, 2.6187, 31.4204



0.2712, 0.1155, 1.1098

Inverse Universe

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



41.7916, 40.0124, 49.7780



73.8846, 69.0742, 88.7440



40.8930, 46.3836, 41.4497



9.3121, 9.1352, 10.9909



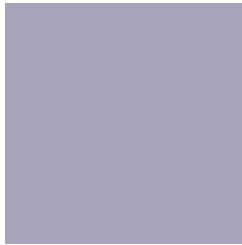
17.5531, 8.5950, 21.3312



0.6367, 0.3101, 0.8461

Previews

White Background



This preview shows how the XYZ color 37.8965, 37.9550, 51.7831 looks on a white background.

Color Contrast Check

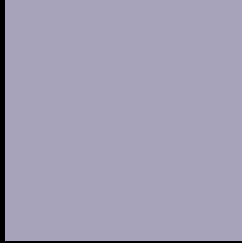
Large Text (above 18pt) WCAG AA × Fail

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 37.8965, 37.9550, 51.7831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

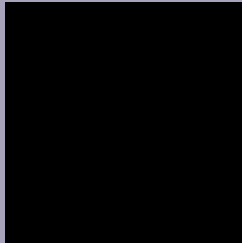
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8965, 37.9550, 51.7831

Background



This preview shows how black text looks on a background with the XYZ color 37.8965, 37.9550, 51.7831.



This preview shows how white text looks on a background with the XYZ color 37.8965, 37.9550,

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

37.8965, 37.9550, 51.7831

Protanopia

37.1454, 37.8202, 52.3560

Deuteranopia

38.6211, 37.8056, 51.7160



Tritanopia

36.9372, 37.8322, 46.9505

Trichromacy



Original Color

37.8965, 37.9550, 51.7831

Protanomaly

37.5549, 38.0313, 52.3751

Deuteranomaly

38.3608, 37.9319, 51.7541

Tritanomaly

37.2396, 37.9532, 48.5430

Monochromacy



Original Color

37.8965, 37.9550, 51.7831

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.2125, 38.5439, 45.5228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8965, 37.9550, 51.7831 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(167, 163, 186)` looks like.

```
.text, #text, p{  
    color:rgb(167, 163, 186)  
}
```

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(167, 163, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 163, 186) }
```

Border

The CSS property to change the border of an element to XYZ 37.8965, 37.9550, 51.7831 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(167, 163, 186) }
```


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

```
.border{ border-color:rgb(167, 163, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 163, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 163, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 163, 186);  
box-shadow:4px 4px 4px 4px rgb(167, 163,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8965, 37.9550, 51.7831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 163, 186) }
```

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

```
.background{ background-color: rgb(167,  
163, 186) }
```

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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