

Converting Colors

XYZ(37.1033, 36.3855, 47.8124)

Have a look what the booklet for
XYZ(37.1033, 36.3855, 47.8124)
contains.

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Color

**XYZ(37.1581, 36.3663,
47.7088)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9EB3
RGB	171, 158, 179
RGB Percent	67%, 62%, 70%
CMY	0.3294, 0.3804, 0.2980
CMYK	0.04, 0.12, 0.00, 0.30
HSL	277°, 12%, 66%
HSV	277°, 12%, 70%
XYZ	37.1581, 36.3663, 47.7088
YIQ	164.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

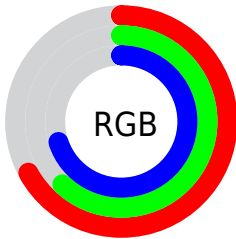
Format	Color
RYB	171, 158, 179
Decimal	11247283
CIELab	66.80, 8.71, -9.15
CIElCh	67, 12.633, 313.590
Yxy	36.3663, 0.3065, 0.3000
Android (android.graphics.Color)	4289437363 (0xFFAB9EB3)
YUV	164.2810, 7.2565, 5.8926
Hunter-Lab	60.3045, 4.4544, -4.6931

Details

The XYZ color **37.1581, 36.3663, 47.7088** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0189, 42.8168, 38.6102**, and the grayscale version is **35.3875, 37.2304, 40.5439**.

A 20% lighter version of the original color is **70.1537, 69.7554, 88.3639**, and **16.6313, 15.9437, 21.9395** is the 20% darker color. If you saturate the color by 10%, you get **32.8773, 29.9531, 46.6971**, and if you desaturate by 10%, it is **41.9624, 43.7116, 48.8739**.

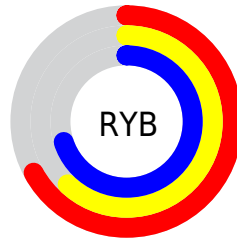
Distribution



Red (67%)

Green (62%)

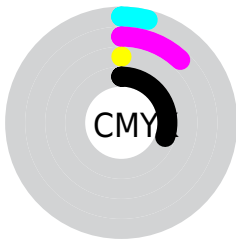
Blue (70%)



Red (67%)

Yellow (62%)

Blue (70%)

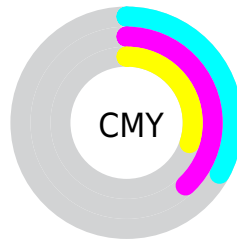


Cyan (4%)

Magenta (12%)

Yellow (0%)

Black (30%)



Cyan (33%)

Magenta (38%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1581, 36.3663, 47.7088 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 37.1581, 36.3663, 47.7088 by changing the saturation by 10% instead.

■ 37.1581, 36.3663,
47.7088

■ 37.1581, 36.3663,
47.7088

325.3382,
330.5587, 394.1121

■ 25.5042, 24.7172,
33.2380

■ 70.1281, 69.5971,
88.1317

■ 16.5838, 15.8665,
22.0362

■ 92.1749, 91.9476,
114.9209

■ 10.0317, 9.4297,
13.6849

118.4167,
118.6340, 146.6533

■ 5.4824, 5.0225,
7.7656

149.2189,
150.0407, 183.7474

■ 2.5706, 2.2605,
3.8597

184.9468,
186.5522, 226.6218

■ 0.9310, 0.7527,
1.5487

225.9657,

■ 0.0000, 0.0000,

228.5527, 275.6950

0.2538

272.6410,
276.4268, 331.3856

■ 0.0000, 0.0000,
0.0000

■ 37.1581, 36.3663,
47.7088

■ 37.1581, 36.3663,
47.7088

■ 32.8773, 29.9531,
46.6971

■ 41.9624, 43.7116,
48.8739

■ 29.0966, 24.4284,
45.8300

■ 47.3061, 52.0209,
50.1961

■ 25.7953, 19.7521,
45.1014

■ 53.2084, 61.3302,
51.6819

■ 22.9499, 15.8792,
44.5038

■ 59.6865, 71.6724,
53.3367

■ 20.5349, 12.7602,
44.0290

■ 66.7567, 83.0787,
55.1657

■ 18.5218, 10.3401,
43.6680

■ 71.0253, 88.7600,
56.0374

■ 16.8783, 8.5563,
43.4103

■ 73.0322, 89.7946,
56.1313

■ 15.5662, 7.3342,
43.2436

■ 75.1232, 90.8725,
56.2291

■ 14.6674, 6.6214,
43.1534

■ 77.2992, 91.9943,
56.3310

Harmonies

Analogous

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



35.4347, 36.3663, 50.7183



37.1581, 36.3663, 47.7088



38.2069, 36.3663, 42.6413

Triad

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



37.1581, 36.3663, 47.7088



35.6124, 36.3663, 30.3448



31.1187, 36.3663, 42.1185

Complementary

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



37.1581, 36.3663, 47.7088



38.0189, 42.8168, 38.6102

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.



31.1623, 36.3663, 36.7007



37.1581, 36.3663, 47.7088



33.7098, 36.3663, 30.2328

Square

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



37.1581, 36.3663, 47.7088



37.2923, 36.3663, 32.7821



32.0956, 36.3663, 32.4606



31.9742, 36.3663, 47.2958

Rectangle

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



37.1581, 36.3663, 47.7088



38.3593, 36.3663, 38.9421



32.0956, 36.3663, 32.4606



31.0297, 36.3663, 40.2586

Sweetspot

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



37.1592, 36.3679, 47.7096



73.0564, 75.0586, 87.0184



35.8840, 37.8159, 48.0563



16.0394, 16.4047, 19.2433



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.



37.1592, 36.3679, 47.7096



64.5420, 62.1000, 84.9660



38.7094, 37.1954, 46.5002



8.5301, 8.4818, 10.6939



10.4387, 4.7171, 30.4973



0.3909, 0.1806, 0.9625

Inverse Universe

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



37.7015, 36.7922, 41.1928



65.7243, 63.0211, 70.9483



36.6066, 42.0641, 39.6560



8.6259, 8.5571, 9.5283



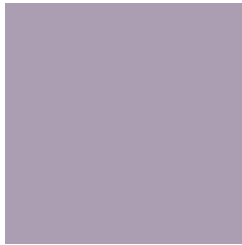
13.9081, 7.0808, 4.6759



0.4666, 0.2344, 0.2996

Previews

White Background



This preview shows how the XYZ color 37.1581, 36.3663, 47.7088 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 37.1581, 36.3663, 47.7088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

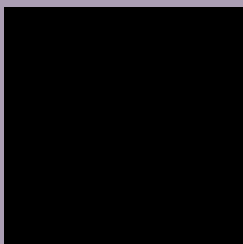
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

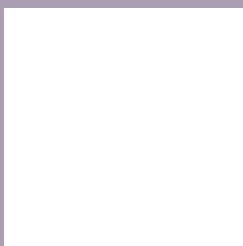
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1581, 36.3663, 47.7088

Background



This preview shows how black text looks on a background with the XYZ color 37.1581, 36.3663, 47.7088.



This preview shows how white text looks on a background with the XYZ color 37.1581, 36.3663,

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

37.1581, 36.3663, 47.7088

Protanopia

35.5826, 36.2995, 48.8472

Deuteranopia

37.1581, 36.3663, 47.7088



Tritanopia

36.4221, 36.3209, 44.1207

Trichromacy



Original Color

37.1581, 36.3663, 47.7088

Protanomaly

36.1189, 36.3294, 48.2886

Deuteranomaly

37.1581, 36.3663, 47.7088

Tritanomaly

36.7136, 36.4375, 45.6556

Monochromacy



Original Color

37.1581, 36.3663, 47.7088

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.0181, 36.9207, 42.7642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1581, 36.3663, 47.7088 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(171, 158, 179)` looks like.

```
.text, #text, p{  
    color:rgb(171, 158, 179)  
}
```

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(171, 158, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 158, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.1581, 36.3663, 47.7088 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(171, 158, 179) }
```


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

```
.border{ border-color:rgb(171, 158, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 158, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 158, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 158, 179);  
box-shadow:4px 4px 4px 4px rgb(171, 158,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1581, 36.3663, 47.7088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 158, 179) }
```

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

```
.background{ background-color: rgb(171,  
158, 179) }
```

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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