

Converting Colors

XYZ(37.9303, 37.2133, 29.7862)

Have a look what the booklet for
XYZ(37.9303, 37.2133, 29.7862)
contains.

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Color

**XYZ(37.8733, 37.1366,
29.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9E8B
RGB	189, 158, 139
RGB Percent	74%, 62%, 55%
CMY	0.2588, 0.3804, 0.4549
CMYK	0.00, 0.16, 0.26, 0.26
HSL	23°, 27%, 64%
HSV	23°, 26%, 74%
XYZ	37.8733, 37.1366, 29.5980
YIQ	165.1030, 24.5750, 0.6630

Conversions

Conversions Part 2

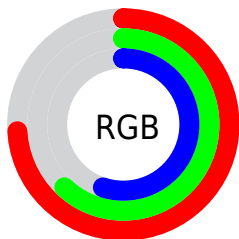
Format	Color
RYB	189, 170, 139
Decimal	12426891
CIELab	67.38, 8.54, 14.20
CIElCh	67, 16.569, 58.980
Yxy	37.1366, 0.3621, 0.3550
Android (android.graphics.Color)	4290616971 (0xFFBD9E8B)
YUV	165.1030, -12.8688, 20.9577
Hunter-Lab	60.9398, 4.2908, 13.8612

Details

The XYZ color **37.8733, 37.1366, 29.5980** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.2071, 37.9114, 53.6590**, and the grayscale version is **35.8659, 37.7337, 41.0920**.

A 20% lighter version of the original color is **71.4259, 71.0316, 60.3980**, and **17.0525, 16.3876, 11.7155** is the 20% darker color. If you saturate the color by 10%, you get **34.7060, 32.8241, 22.3080**, and if you desaturate by 10%, it is **41.4719, 41.9291, 38.2105**.

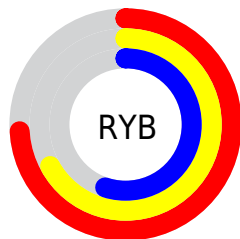
Distribution



Red (74%)

Green (62%)

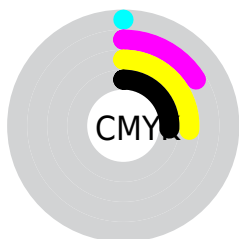
Blue (55%)



Red (74%)

Yellow (67%)

Blue (55%)

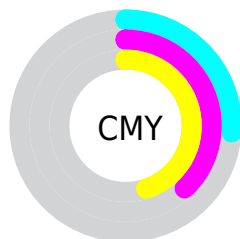


Cyan (0%)

Magenta (16%)

Yellow (26%)

Black (26%)



Cyan (26%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8733, 37.1366, 29.5980 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 37.8733, 37.1366, 29.5980 by changing the saturation by 10% instead.

■ 37.8733, 37.1366,
29.5980

■ 37.8733, 37.1366,
29.5980

328.3664,
333.9015, 314.1749

■ 26.0611, 25.3133,
19.2842

■ 71.2190, 70.7828,
60.0793

■ 17.0023, 16.3106,
11.6969

■ 93.4833, 93.3745,
81.0839

■ 10.3314, 9.7442,
6.4176

■ 119.9624,
120.3244, 106.4892

■ 5.6832, 5.2297,
3.0278

151.0216,
152.0170, 136.7138

■ 2.6922, 2.3827,
1.1088

187.0262,
188.8366, 172.1760

■ 0.9932, 0.8169,
0.0000

228.3416,

■ 0.0000, 0.0000,

231.1676, 213.2946

0.0000

275.3333,
279.3945, 260.4881

■ 37.8733, 37.1366,
29.5980

■ 37.8733, 37.1366,
29.5980

■ 34.7060, 32.8241,
22.3080

■ 41.4719, 41.9291,
38.2105

■ 31.9495, 28.9710,
16.2717

■ 45.5154, 47.2113,
48.2050

■ 29.5858, 25.5626,
11.4176

■ 50.0202, 52.9990,
59.6399

■ 27.5944, 22.5814,
7.6659

■ 55.0013, 59.3056,
72.5699

■ 25.9524, 20.0084,
4.9267

■ 60.4727, 66.1440,
87.0466

■ 24.6340, 17.8229,
3.0959

■ 66.4478, 73.5268,
103.1192

■ 23.6067, 16.0009,
2.0367

■ 70.2024, 80.3711,
106.4208

■ 23.2930, 15.4323,
1.7510

■ 73.7642, 87.4946,
107.6081

■ 74.7963, 89.5588,
107.9521

Harmonies

Analogous

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



39.7424, 37.1366, 34.0326



37.8733, 37.1366, 29.5980



35.3842, 37.1366, 28.0052

Triad

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



37.8733, 37.1366, 29.5980



30.6376, 37.1366, 40.1871



37.7158, 37.1366, 53.9409

Complementary

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



37.8733, 37.1366, 29.5980



34.2071, 37.9114, 53.6590

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.



35.2104, 37.1366, 56.0876



37.8733, 37.1366, 29.5980



31.1965, 37.1366, 47.5949

Square

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



37.8733, 37.1366, 29.5980



31.2766, 37.1366, 33.6498



32.8407, 37.1366, 53.6399



39.6485, 37.1366, 48.0770

Rectangle

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



37.8733, 37.1366, 29.5980



33.7331, 37.1366, 28.6028



32.8407, 37.1366, 53.6399



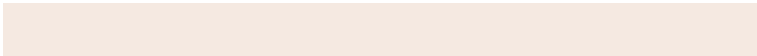
36.9090, 37.1366, 55.1502

Sweetspot

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



37.8743, 37.1383, 29.5988



80.2491, 82.9098, 83.1624



37.5381, 32.2120, 42.6011



17.0153, 17.5148, 17.2815



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.



37.8743, 37.1383, 29.5988



64.3057, 61.7340, 44.8265



42.4430, 46.2757, 31.1217



9.8194, 10.1147, 10.0114



15.7408, 10.5204, 1.2010



0.6801, 0.5392, 0.0682

Inverse Universe

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



34.2071, 37.9114, 53.6590



56.5813, 63.3518, 95.4722



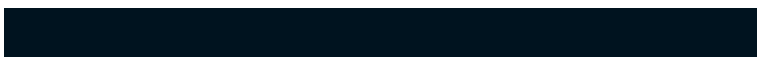
30.0607, 29.6187, 52.2768



9.4957, 10.1836, 12.1374



10.5487, 11.2092, 34.0005



0.4744, 0.5615, 1.3522

Previews

White Background



This preview shows how the XYZ color 37.8733, 37.1366, 29.5980 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 37.8733, 37.1366, 29.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

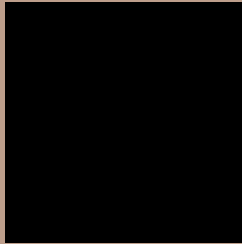
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8733, 37.1366, 29.5980

Background



This preview shows how black text looks on a background with the XYZ color 37.8733, 37.1366, 29.5980.



This preview shows how white text looks on a background with the XYZ color 37.8733, 37.1366,

29.5980.

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

37.8733, 37.1366, 29.5980

Protanopia

35.1712, 37.2746, 30.9322

Deuteranopia

37.8733, 37.1366, 29.5980



Tritanopia

40.1768, 37.0708, 41.1142

Trichromacy



Original Color

37.8733, 37.1366, 29.5980

Protanomaly

36.0881, 37.2287, 30.4831

Deuteranomaly

37.8733, 37.1366, 29.5980

Tritanomaly

39.2080, 36.9194, 36.5122

Monochromacy



Original Color

37.8733, 37.1366, 29.5980

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.3766, 37.2396, 36.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8733, 37.1366, 29.5980 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(189, 158, 139)` looks like.

```
.text, #text, p{  
    color:rgb(189, 158, 139)  
}
```

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(189, 158, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 158, 139) }
```

Border

The CSS property to change the border of an element to XYZ 37.8733, 37.1366, 29.5980 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(189, 158, 139) }
```


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

```
.border{ border-color:rgb(189, 158, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 158, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 158, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 158, 139);  
box-shadow:4px 4px 4px 4px rgb(189, 158,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8733, 37.1366, 29.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 158, 139) }
```

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

```
.background{ background-color: rgb(189,  
158, 139) }
```

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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