

Converting Colors

XYZ(37.9013, 32.1078, 57.9952)

Have a look what the booklet for
XYZ(37.9013, 32.1078, 57.9952)
contains.

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Color

**XYZ(37.9015, 32.0537,
58.2222)**

Conversions

Conversions Part 1

Format	Color
Hex	B28BC7
RGB	178, 139, 199
RGB Percent	70%, 55%, 78%
CMY	0.3020, 0.4549, 0.2196
CMYK	0.11, 0.30, 0.00, 0.22
HSL	279°, 35%, 66%
HSV	279°, 30%, 78%
XYZ	37.9015, 32.0537, 58.2222
YIQ	157.5010, 3.9840, 26.9280

Conversions

Conversions Part 2

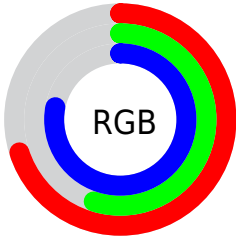
Format	Color
RYB	178, 139, 199
Decimal	11701191
CIELab	63.39, 25.84, -25.46
CIELCh	63, 36.273, 315.424
Yxy	32.0537, 0.2957, 0.2501
Android (android.graphics.Color)	4289891271 (0xFFB28BC7)
YUV	157.5010, 20.4590, 17.9776
Hunter-Lab	56.6160, 20.4186, -21.3409

Details

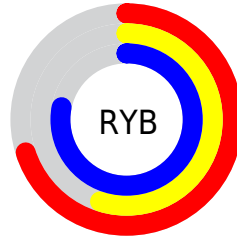
The XYZ color **37.9015, 32.0537, 58.2222** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.5819, 50.1853, 32.0281**, and the grayscale version is **32.1837, 33.8598, 36.8733**.

A 20% lighter version of the original color is **71.0516, 62.8524, 102.9946**, and **17.0580, 13.3838, 28.4723** is the 20% darker color. If you saturate the color by 10%, you get **33.7206, 26.0039, 57.2753**, and if you desaturate by 10%, it is **42.6901, 39.1969, 59.3491**.

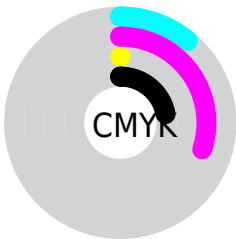
Distribution



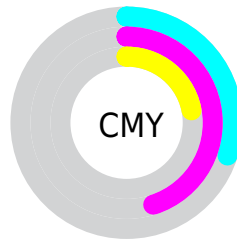
- Red (70%)
- Green (55%)
- Blue (78%)



- Red (70%)
- Yellow (55%)
- Blue (78%)



- Cyan (11%)
- Magenta (30%)
- Yellow (0%)
- Black (22%)





- Cyan (30%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9015, 32.0537, 58.2222 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 37.9015, 32.0537, 58.2222 by changing the saturation by 10% instead.


 37.9015, 32.0537,
58.2222

 37.9015, 32.0537,
58.2222

328.4854,
311.3638, 435.6347

 26.0831, 21.4025,
41.5714


 71.2620, 62.8953,
103.7643

 17.0188, 13.4185,
28.4428


 93.5348, 83.8544,
133.4928

 10.3433, 7.7174,
18.4178


 120.0232,
109.0184, 168.4175

 5.6912, 3.9146,
11.0778

151.0925,
138.7715, 208.9571

 2.6971, 1.6259,
6.0044

187.1080,
173.4983, 255.5301

 0.9957, 0.3750,
2.7789

228.4350,

 0.0000, 0.0000,

213.5829, 308.5550

0.9829

275.4391,
259.4100, 368.4504

■ 0.0000, 0.0000,
0.0000

■ 37.9015, 32.0537,
58.2222

■ 37.9015, 32.0537,
58.2222

■ 33.7206, 26.0039,
57.2753

■ 42.6901, 39.1969,
59.3491

■ 30.1147, 20.9860,
56.4968

■ 48.1107, 47.4828,
60.6627

■ 27.0522, 16.9382,
55.8769

■ 54.1901, 56.9623,
62.1720

■ 24.4974, 13.7906,
55.4040

■ 60.9525, 67.6823,
63.8848

■ 22.4093, 11.4633,
55.0649

■ 68.4209, 79.6869,
65.8083

■ 20.7398, 9.8619,
54.8438

■ 75.5212, 90.8268,
67.5843

■ 19.4154, 8.8181,
54.7121

■ 77.6709, 91.9350,
67.6849

■ 79.9095, 93.0890,
67.7896

■ 82.2379, 94.2894,
67.8986

Harmonies

Analogous

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



33.1161, 32.0537, 69.0635



37.9015, 32.0537, 58.2222



40.8375, 32.0537, 42.3602

Triad

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



37.9015, 32.0537, 58.2222



32.9700, 32.0537, 14.3458



22.0484, 32.0537, 42.8127

Complementary

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



37.9015, 32.0537, 58.2222



39.5819, 50.1853, 32.0281

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.



22.0186, 32.0537, 28.3733



37.9015, 32.0537, 58.2222



27.9614, 32.0537, 14.4045

Square

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



37.9015, 32.0537, 58.2222



37.7844, 32.0537, 18.6326



24.0728, 32.0537, 18.8242



24.1595, 32.0537, 58.6313

Rectangle

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



37.9015, 32.0537, 58.2222



41.1647, 32.0537, 32.3436



24.0728, 32.0537, 18.8242



21.8031, 32.0537, 37.5899

Sweetspot

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



37.9025, 32.0551, 58.2229



85.2670, 84.7296, 106.4681



33.7023, 35.1035, 59.0327



17.9317, 17.6428, 22.7102



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.9025, 32.0551, 58.2229



61.5740, 49.1528, 100.8499



42.1907, 34.3702, 53.7013



10.7089, 10.6237, 13.4037



12.5821, 5.7206, 35.1854



0.6719, 0.3101, 1.6696

Inverse Universe

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



39.1320, 33.1467, 37.5945



64.2605, 51.4806, 58.3756



36.3384, 48.4432, 35.0404



10.7846, 10.6972, 11.8490



15.8868, 8.1043, 4.6136



0.7866, 0.3975, 0.3992

Previews

White Background



This preview shows how the XYZ color 37.9015, 32.0537, 58.2222 looks on a white background.

Color Contrast Check

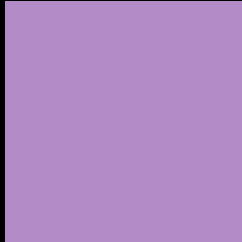
Large Text (above 18pt) WCAG AA × Fail

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 37.9015, 32.0537, 58.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

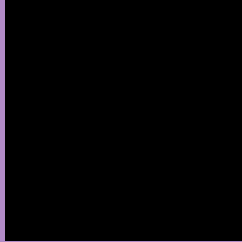
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9015, 32.0537, 58.2222

Background



This preview shows how black text looks on a background with the XYZ color 37.9015, 32.0537, 58.2222.



This preview shows how white text looks on a background with the XYZ color 37.9015, 32.0537,

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

37.9015, 32.0537, 58.2222

Protanopia

32.9299, 32.3289, 64.1790

Deuteranopia

32.9987, 32.2754, 57.3139



Tritanopia

33.6185, 32.1067, 36.7731

Trichromacy



Original Color

37.9015, 32.0537, 58.2222

Protanomaly

34.4021, 31.9506, 62.1115

Deuteranomaly

34.7273, 32.2138, 57.8136

Tritanomaly

34.9716, 31.9623, 43.8613

Monochromacy



Original Color

37.9015, 32.0537, 58.2222

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.1265, 33.1497, 44.1350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9015, 32.0537, 58.2222 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(178, 139, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 199)  
}
```

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(178, 139, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 199) }
```

Border

The CSS property to change the border of an element to XYZ 37.9015, 32.0537, 58.2222 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(178, 139, 199) }
```


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

```
.border{ border-color:rgb(178, 139, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 139, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 199);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9015, 32.0537, 58.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 199) }
```

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

```
.background{ background-color: rgb(178,  
139, 199) }
```

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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