

Converting Colors

XYZ(37.5685, 32.8625, 59.1876)

Have a look what the booklet for
XYZ(37.5685, 32.8625, 59.1876)
contains.

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Color

**XYZ(37.6322, 33.0009,
59.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	AD90C8
RGB	173, 144, 200
RGB Percent	68%, 56%, 78%
CMY	0.3216, 0.4353, 0.2157
CMYK	0.13, 0.28, 0.00, 0.22
HSL	271°, 34%, 67%
HSV	271°, 28%, 78%
XYZ	37.6322, 33.0009, 59.0300
YIQ	159.0550, -0.6920, 23.5640

Conversions

Conversions Part 2

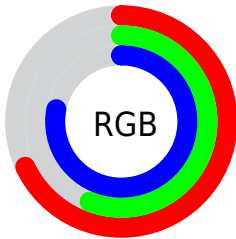
Format	Color
RYB	173, 144, 200
Decimal	11374792
CIELab	64.16, 21.63, -24.87
CIELCh	64, 32.958, 311.008
Yxy	33.0009, 0.2902, 0.2545
Android (android.graphics.Color)	4289564872 (0xFFAD90C8)
YUV	159.0550, 20.1859, 12.2298
Hunter-Lab	57.4464, 16.4012, -20.7119

Details

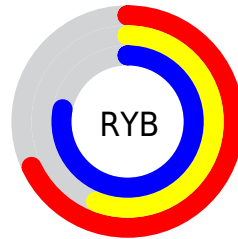
The XYZ color **37.6322, 33.0009, 59.0300** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.4840, 51.9809, 34.1812**, and the grayscale version is **32.8916, 34.6045, 37.6843**.

A 20% lighter version of the original color is **70.5572, 64.2662, 103.2936**, and **16.8484, 13.8971, 28.9885** is the 20% darker color. If you saturate the color by 10%, you get **32.8114, 26.4109, 58.0126**, and if you desaturate by 10%, it is **43.1457, 40.7462, 60.2349**.

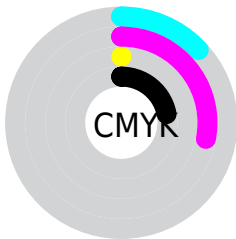
Distribution



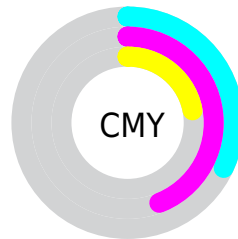
- Red (68%)
- Green (56%)
- Blue (78%)



- Red (68%)
- Yellow (56%)
- Blue (78%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (22%)



- Cyan (32%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6322, 33.0009, 59.0300 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 37.6322, 33.0009, 59.0300 by changing the saturation by 10% instead.

■ 37.6322, 33.0009,
59.0300

■ 37.6322, 33.0009,
59.0300

327.3478,
315.6538, 438.7181

■ 25.8733, 22.1271,
42.2171

■ 70.8516, 64.3769,
104.9508

■ 16.8610, 13.9503,
28.9445

■ 93.0428, 85.6480,
134.8958

■ 10.2302, 8.0861,
18.7936

119.4420,
111.1536, 170.0553

■ 5.6153, 4.1501,
11.3459

150.4148,
141.2782, 210.8477

■ 2.6510, 1.7579,
6.1829

186.3264,
176.4061, 257.6916

■ 0.9720, 0.4607,
2.8860

227.5422,

■ 0.0000, 0.0000,

216.9217, 311.0057

1.0367

274.4275,
263.2095, 371.2083

■ 0.0000, 0.0000,
0.0000

■ 37.6322, 33.0009,
59.0300

■ 37.6322, 33.0009,
59.0300

■ 32.8114, 26.4109,
58.0126

■ 43.1457, 40.7462,
60.2349

■ 28.6485, 20.9137,
57.1709

■ 49.3780, 49.6969,
61.6341

■ 25.1104, 16.4472,
56.4953

■ 56.3577, 59.9047,
63.2365

■ 22.1592, 12.9411,
55.9741

■ 64.1109, 71.4175,
65.0501

■ 19.7526, 10.3157,
55.5942

■ 72.6623, 84.2803,
67.0822

■ 17.8413, 8.4782,
55.3403

■ 79.0953, 92.6558,
68.3597

■ 16.3536, 7.2908,
55.1895

■ 82.2916, 94.3036,
68.5093

■ 16.0847, 7.0876,
55.1644

■ 85.6621, 96.0412,
68.6671

■ 87.4254, 96.9502,
68.7496

Harmonies

Analogous

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



33.1117, 33.0009, 67.5320



37.6322, 33.0009, 59.0300



40.6419, 33.0009, 44.9637

Triad

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



37.6322, 33.0009, 59.0300



34.3789, 33.0009, 16.6948



23.3551, 33.0009, 41.0678

Complementary

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



37.6322, 33.0009, 59.0300



42.4840, 51.9809, 34.1812

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.



23.6218, 33.0009, 28.1994



37.6322, 33.0009, 59.0300



29.6835, 33.0009, 16.1453

Square

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



37.6322, 33.0009, 59.0300



38.6387, 33.0009, 21.5668



25.8378, 33.0009, 19.8158



25.0691, 33.0009, 55.5764

Rectangle

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



37.6322, 33.0009, 59.0300



41.2237, 33.0009, 35.4819



25.8378, 33.0009, 19.8158



23.2208, 33.0009, 36.3867

Sweetspot

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



37.6333, 33.0023, 59.0307



85.3574, 85.8499, 106.6796



36.5036, 39.2517, 60.2965



17.9004, 17.8404, 22.7500



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.



37.6333, 33.0023, 59.0307



59.6061, 49.5119, 101.0229



44.1101, 36.3538, 58.7661



10.5718, 10.5530, 13.3972



10.3311, 4.5601, 35.0800



0.5725, 0.2589, 1.6649

Inverse Universe

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



41.1444, 35.1675, 43.1489



66.9437, 54.0344, 67.9409



37.2627, 49.2810, 34.3108



10.8433, 10.7207, 12.1582



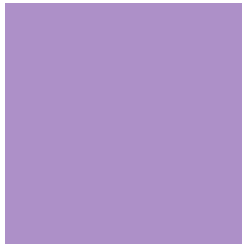
16.5451, 8.3676, 8.0805



0.8200, 0.4108, 0.5752

Previews

White Background



This preview shows how the XYZ color 37.6322, 33.0009, 59.0300 looks on a white background.

Color Contrast Check

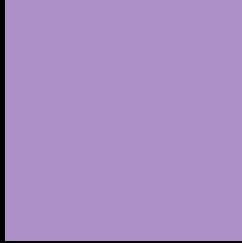
Large Text (above 18pt) WCAG AA × Fail

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 37.6322, 33.0009, 59.0300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

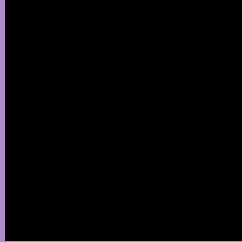
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6322, 33.0009, 59.0300

Background



This preview shows how black text looks on a background with the XYZ color 37.6322, 33.0009, 59.0300.



This preview shows how white text looks on a background with the XYZ color 37.6322, 33.0009,

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

37.6322, 33.0009, 59.0300

Protanopia

33.8026, 33.2789, 63.6734

Deuteranopia

33.7970, 33.1556, 58.0445



Tritanopia

33.6138, 32.9931, 39.2470

Trichromacy



Original Color

37.6322, 33.0009, 59.0300

Protanomaly

34.9423, 32.9446, 61.6440

Deuteranomaly

35.1198, 33.1043, 58.5716

Tritanomaly

34.7886, 32.7494, 45.5620

Monochromacy



Original Color

37.6322, 33.0009, 59.0300

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.5054, 34.0597, 44.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6322, 33.0009, 59.0300 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(173, 144, 200)` looks like.

```
.text, #text, p{  
    color:rgb(173, 144, 200)  
}
```

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(173, 144, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 144, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.6322, 33.0009, 59.0300 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(173, 144, 200) }
```


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

```
.border{ border-color:rgb(173, 144, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 144, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 144, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 144, 200);  
box-shadow:4px 4px 4px 4px rgb(173, 144,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6322, 33.0009, 59.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 144, 200) }
```

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

```
.background{ background-color: rgb(173,  
144, 200) }
```

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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