

Converting Colors

XYZ(33.1327, 30.8808, 39.7198)

Have a look what the booklet for
XYZ(33.1327, 30.8808, 39.7198)
contains.

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Color

**XYZ(33.1916, 30.9076,
39.8137)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8FA5
RGB	170, 143, 165
RGB Percent	67%, 56%, 65%
CMY	0.3333, 0.4392, 0.3529
CMYK	0.00, 0.16, 0.03, 0.33
HSL	311°, 14%, 61%
HSV	311°, 16%, 67%
XYZ	33.1916, 30.9076, 39.8137
YIQ	153.5810, 9.0300, 12.5660

Conversions

Conversions Part 2

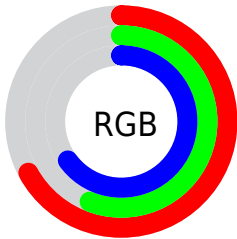
Format	Color
R_{YB}	170, 143, 165
Decimal	11177893
CIE _{Lab}	62.43, 14.04, -7.79
CIE _{LCh}	62, 16.060, 330.969
Yxy	30.9076, 0.3194, 0.2974
Android (android.graphics.Color)	4289367973 (0xFFAA8FA5)
YUV	153.5810, 5.6296, 14.3995
Hunter-Lab	55.5946, 9.2791, -3.5439

Details

The XYZ color **33.1916, 30.9076, 39.8137** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0490, 36.7282, 33.4715**, and the grayscale version is **30.5058, 32.0945, 34.9509**.

A 20% lighter version of the original color is **63.9359, 61.1074, 76.1353**, and **14.3662, 12.8725, 17.3502** is the 20% darker color. If you saturate the color by 10%, you get **30.5476, 26.0723, 37.5360**, and if you desaturate by 10%, it is **36.2312, 36.5220, 42.2588**.

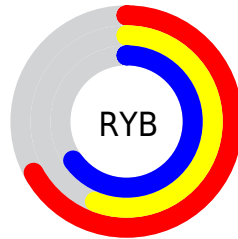
Distribution



Red (67%)

Green (56%)

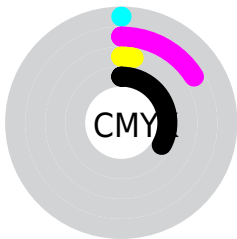
Blue (65%)



Red (67%)

Yellow (56%)

Blue (65%)

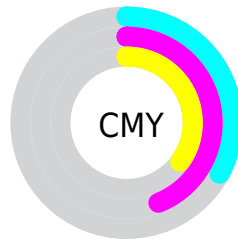


Cyan (0%)

Magenta (16%)

Yellow (3%)

Black (33%)



Cyan (33%)

Magenta (44%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1916, 30.9076, 39.8137 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 33.1916, 30.9076, 39.8137 by changing the saturation by 10% instead.

■ 33.1916, 30.9076,
39.8137

■ 33.1916, 30.9076,
39.8137

308.1620,
306.1124, 360.8664

■ 22.4332, 20.5285,
27.0806

■ 64.0272, 61.0946,
76.1137

■ 14.2939, 12.7798,
17.4008

■ 84.8352, 81.6712,
100.5178

■ 8.4085, 7.2771,
10.3557

109.7237,
106.4159, 129.6492

■ 4.4114, 3.6360,
5.5268

139.0581,
135.7128, 163.9266

■ 1.9374, 1.4721,
2.4954

173.2037,
169.9466, 203.7685

■ 0.5984, 0.2690,
0.8377

212.5261,

■ 0.0000, 0.0000,

209.5015, 249.5934

0.0000

257.3903,
254.7620, 301.8199

■ 33.1916, 30.9076,
39.8137

■ 33.1916, 30.9076,
39.8137

■ 30.5476, 26.0723,
37.5360

■ 36.2312, 36.5220,
42.2588

■ 28.2792, 21.9772,
35.4178

■ 39.6800, 42.9438,
44.8749

■ 26.3684, 18.5864,
33.4530

■ 43.5542, 50.2052,
47.6682

■ 24.7950, 15.8592,
31.6348

■ 47.8685, 58.3351,
50.6438

■ 23.5365, 13.7508,
29.9554

■ 52.6368, 67.3612,
53.8064

■ 22.5677, 12.2110,
28.4061

■ 57.8722, 77.3101,
57.1607

■ 21.8595, 11.1816,
26.9770

■ 61.3119, 83.6558,
59.9528

■ 21.3736, 10.5861,
25.6550

■ 61.6529, 83.7922,
61.7483

■ 21.2026, 10.3961,
25.1297

■ 62.0013, 83.9316,
63.5831

Harmonies

Analogous

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



31.5842, 30.9076, 45.0168



33.1916, 30.9076, 39.8137



33.7649, 30.9076, 33.4508

Triad

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



33.1916, 30.9076, 39.8137



29.3060, 30.9076, 23.0317



25.9311, 30.9076, 40.2079

Complementary

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



33.1916, 30.9076, 39.8137



31.0490, 36.7282, 33.4715

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.



25.3863, 30.9076, 33.8563



33.1916, 30.9076, 39.8137



27.2746, 30.9076, 24.3834

Square

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



33.1916, 30.9076, 39.8137



31.4557, 30.9076, 24.2202



25.8660, 30.9076, 28.1633



27.3915, 30.9076, 45.2634

Rectangle

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



33.1916, 30.9076, 39.8137



33.4622, 30.9076, 29.5420



25.8660, 30.9076, 28.1633



25.6381, 30.9076, 38.1290

Sweetspot

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



33.1925, 30.9090, 39.8144



66.2035, 67.1305, 77.0364



29.2832, 28.8400, 42.0541



14.6736, 14.8033, 17.1093



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.1925, 30.9090, 39.8144



58.4818, 52.8841, 70.7724



32.0318, 30.4447, 33.7024



7.7814, 7.6424, 9.1662



15.6157, 7.6550, 18.5855



0.3949, 0.1922, 0.5312

Inverse Universe

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



33.1925, 30.9090, 39.8144



58.4818, 52.8841, 70.7724



32.1763, 37.1791, 39.4080



7.7814, 7.6424, 9.1662



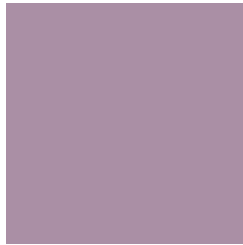
15.6157, 7.6550, 18.5855



0.3949, 0.1922, 0.5312

Previews

White Background



This preview shows how the XYZ color 33.1916, 30.9076, 39.8137 looks on a white background.

Color Contrast Check

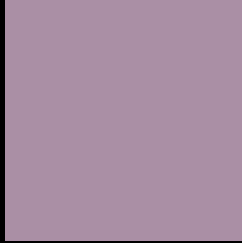
Large Text (above 18pt) WCAG AA × Fail

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 33.1916, 30.9076, 39.8137 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 33.1916, 30.9076, 39.8137

Background



This preview shows how black text looks on a background with the XYZ color 33.1916, 30.9076, 39.8137.



This preview shows how white text looks on a background with the XYZ color 33.1916, 30.9076,

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

33.1916, 30.9076, 39.8137

Protanopia

30.2805, 30.9732, 41.9186

Deuteranopia

31.6318, 31.0214, 39.4425



Tritanopia

32.4883, 31.0861, 35.7404

Trichromacy



Original Color

33.1916, 30.9076, 39.8137

Protanomaly

31.2119, 30.7625, 41.3385

Deuteranomaly

32.2896, 31.1306, 39.4289

Tritanomaly

32.5935, 30.8847, 37.0444

Monochromacy



Original Color

33.1916, 30.9076, 39.8137

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.5751, 31.7549, 36.8129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1916, 30.9076, 39.8137 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(170, 143, 165)` looks like.

```
.text, #text, p{  
    color:rgb(170, 143, 165)  
}
```

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(170, 143, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 143, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.1916, 30.9076, 39.8137 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(170, 143, 165) }
```


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

```
.border{ border-color:rgb(170, 143, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 143, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 143, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 143, 165); box-shadow:4px 4px 4px 4px rgb(170, 143, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1916, 30.9076, 39.8137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 143, 165) }
```

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

```
.background{ background-color: rgb(170,  
143, 165) }
```

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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