

Converting Colors

XYZ(35.6567, 31.7076, 67.4475)

Have a look what the booklet for
XYZ(35.6567, 31.7076, 67.4475)
contains.

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Color

**XYZ(35.6938, 31.8185,
67.2111)**

Conversions

Conversions Part 1

Format	Color
Hex	9C90D5
RGB	156, 144, 213
RGB Percent	61%, 56%, 84%
CMY	0.3882, 0.4353, 0.1647
CMYK	0.27, 0.32, 0.00, 0.16
HSL	250°, 45%, 70%
HSV	250°, 32%, 84%
XYZ	35.6938, 31.8185, 67.2111
YIQ	155.4540, -14.9970, 24.0030

Conversions

Conversions Part 2

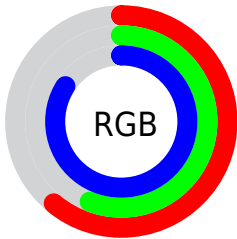
Format	Color
R _Y B	156, 144, 213
Decimal	10260693
CIE Lab	63.19, 19.39, -33.75
CIE LCh	63, 38.924, 299.874
Yxy	31.8185, 0.2649, 0.2362
Android (android.graphics.Color)	4288450773 (0xFF9C90D5)
YUV	155.4540, 28.3702, 0.4788
Hunter-Lab	56.4079, 14.2375, -31.1597

Details

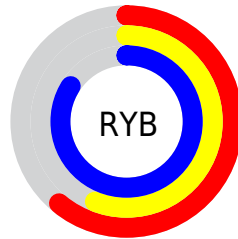
The XYZ color **35.6938, 31.8185, 67.2111** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.9164, 62.0203, 35.5689**, and the grayscale version is **31.2406, 32.8676, 35.7928**.

A 20% lighter version of the original color is **65.3955, 61.6052, 103.0520**, and **15.7678, 13.3576, 34.0950** is the 20% darker color. If you saturate the color by 10%, you get **29.6052, 24.3345, 66.0880**, and if you desaturate by 10%, it is **42.8864, 40.7765, 68.5616**.

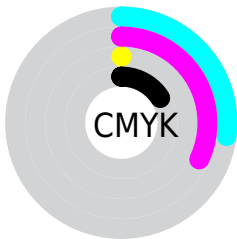
Distribution



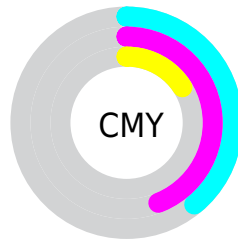
- Red (61%)
- Green (56%)
- Blue (84%)



- Red (61%)
- Yellow (56%)
- Blue (84%)



- Cyan (27%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (39%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6938, 31.8185, 67.2111 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 35.6938, 31.8185, 67.2111 by changing the saturation by 10% instead.

■ 35.6938, 31.8185,
67.2111

■ 35.6938, 31.8185,
67.2111

319.0748,
310.2916, 469.2178

■ 24.3668, 21.2229,
48.7935

■ 67.8862, 62.5264,
116.8664

■ 15.7322, 13.2870,
34.0913

■ 89.4822, 83.4076,
148.9411

■ 9.4245, 7.6265,
22.6858

115.2321,
108.4860, 186.4054

■ 5.0784, 3.8569,
14.1586

145.5010,
138.1462, 229.6777

■ 2.3286, 1.5938,
8.0910

180.6544,
172.7724, 279.1765

■ 0.8092, 0.3534,
4.0646

221.0576,

■ 0.0000, 0.0000,

212.7491, 335.3204

1.6609

267.0760,
258.4607, 398.5280

■ 0.0000, 0.0000,
0.3337

■ 0.0000, 0.0000,
0.0000

■ 35.6938, 31.8185,
67.2111

■ 35.6938, 31.8185,
67.2111

■ 29.6052, 24.3345,
66.0880

■ 42.8864, 40.7765,
68.5616

■ 24.5620, 18.2413,
65.1777

■ 51.2313, 51.2782,
70.1488

■ 20.5048, 13.4529,
64.4673

■ 60.7777, 63.3934,
71.9841

■ 17.3671, 9.8723,
63.9415

■ 71.5710, 77.1865,
74.0776

■ 15.0733, 7.3886,
63.5830

■ 83.6542, 92.7183,
76.4387

■ 13.5353, 5.8698,
63.3709

■ 89.0103, 97.5841,
77.0956

■ 12.7749, 5.1983,
63.2814

Harmonies

Analogous

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



30.2198, 31.8185, 73.5228



35.6938, 31.8185, 67.2111



40.1022, 31.8185, 51.7451

Triad

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



35.6938, 31.8185, 67.2111



35.7379, 31.8185, 14.8175



21.0318, 31.8185, 34.5798

Complementary

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



35.6938, 31.8185, 67.2111



52.9164, 62.0203, 35.5689

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.



22.1479, 31.8185, 21.8003



35.6938, 31.8185, 67.2111



30.2653, 31.8185, 12.6598

Square

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



35.6938, 31.8185, 67.2111



40.1297, 31.8185, 21.8833



25.3766, 31.8185, 14.7805



22.1294, 31.8185, 51.5976

Rectangle

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



35.6938, 31.8185, 67.2111



41.6130, 31.8185, 40.1196



25.3766, 31.8185, 14.7805



21.1586, 31.8185, 29.6924

Sweetspot

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



35.6949, 31.8198, 67.2118



80.1182, 81.0171, 106.0229



44.5161, 52.7410, 70.7851



16.7317, 16.8133, 22.6134



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.



35.6949, 31.8198, 67.2118



47.0626, 39.7129, 99.7926



43.2196, 35.6989, 67.5640



11.9420, 12.1115, 15.6459



7.8635, 3.2063, 38.6576



0.5369, 0.2256, 2.3346

Inverse Universe

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



47.9572, 38.3108, 60.1260



68.4422, 51.0418, 86.9059



44.7655, 57.8184, 35.1874



12.8560, 12.5939, 15.1819



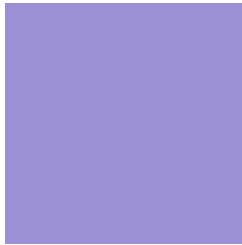
21.5798, 10.5682, 26.1550



1.3266, 0.6474, 1.7090

Previews

White Background



This preview shows how the XYZ color 35.6938, 31.8185, 67.2111 looks on a white background.

Color Contrast Check

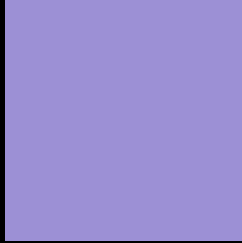
Large Text (above 18pt) WCAG AA × Fail

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 35.6938, 31.8185, 67.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

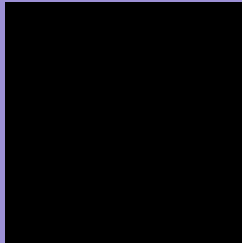
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6938, 31.8185, 67.2111

Background



This preview shows how black text looks on a background with the XYZ color 35.6938, 31.8185, 67.2111.



This preview shows how white text looks on a background with the XYZ color 35.6938, 31.8185,

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

35.6938, 31.8185, 67.2111

Protanopia

33.2372, 32.1007, 70.7739

Deuteranopia

32.7818, 31.9550, 66.7275



Tritanopia

30.3068, 31.7387, 40.6052

Trichromacy



Original Color

35.6938, 31.8185, 67.2111

Protanomaly

33.9691, 31.8004, 69.3135

Deuteranomaly

33.6289, 31.6841, 66.6306

Tritanomaly

32.0313, 31.7156, 49.2332

Monochromacy



Original Color

35.6938, 31.8185, 67.2111

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.4207, 32.2364, 45.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6938, 31.8185, 67.2111 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(156, 144, 213)` looks like.

```
.text, #text, p{  
    color:rgb(156, 144, 213)  
}
```

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(156, 144, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 144, 213) }
```

Border

The CSS property to change the border of an element to XYZ 35.6938, 31.8185, 67.2111 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(156, 144, 213) }
```


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

```
.border{ border-color:rgb(156, 144, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 144, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 144, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 144, 213);  
box-shadow:4px 4px 4px 4px rgb(156, 144,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6938, 31.8185, 67.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 144, 213) }
```

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

```
.background{ background-color: rgb(156,  
144, 213) }
```

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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