

Converting Colors

XYZ(39.3256, 31.6804, 69.9677)

Have a look what the booklet for
XYZ(39.3256, 31.6804, 69.9677)
contains.

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Color

**XYZ(39.3198, 31.6848,
69.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	B187D9
RGB	177, 135, 217
RGB Percent	69%, 53%, 85%
CMY	0.3059, 0.4706, 0.1490
CMYK	0.18, 0.38, 0.00, 0.15
HSL	271°, 52%, 69%
HSV	271°, 38%, 85%
XYZ	39.3198, 31.6848, 69.6890
YIQ	156.9060, -1.2900, 34.4060

Conversions

Conversions Part 2

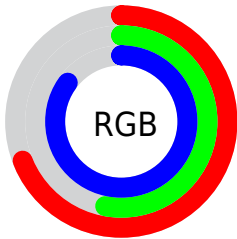
Format	Color
RYB	177, 135, 217
Decimal	11634649
CIELab	63.08, 31.69, -36.01
CIELCh	63, 47.969, 311.348
Yxy	31.6848, 0.2795, 0.2252
Android (android.graphics.Color)	4289824729 (0xFFB187D9)
YUV	156.9060, 29.6263, 17.6224
Hunter-Lab	56.2893, 26.1816, -34.0016

Details

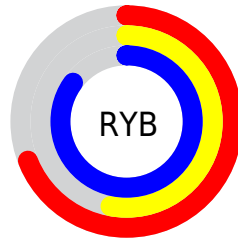
The XYZ color **39.3198, 31.6848, 69.6890** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **46.8661, 60.4896, 32.1285**, and the grayscale version is **31.8780, 33.5382, 36.5231**.

A 20% lighter version of the original color is **70.1793, 61.1076, 102.7038**, and **17.8603, 13.1602, 35.7813** is the 20% darker color. If you saturate the color by 10%, you get **34.2769, 25.0400, 68.6727**, and if you desaturate by 10%, it is **45.1689, 39.6626, 70.9211**.

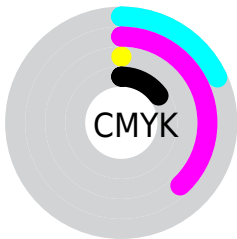
Distribution



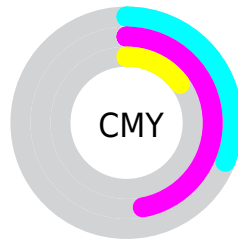
- Red (69%)
- Green (53%)
- Blue (85%)



- Red (69%)
- Yellow (53%)
- Blue (85%)



- Cyan (18%)
- Magenta (38%)
- Yellow (0%)
- Black (15%)





- Cyan (31%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3198, 31.6848, 69.6890 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 39.3198, 31.6848, 69.6890 by changing the saturation by 10% instead.


 39.3198, 31.6848,
69.6890


 39.3198, 31.6848,
69.6890

334.4320,
309.6809, 478.2169


 27.1904, 21.1209,
50.7978


 73.4176, 62.3166,
120.4421

 17.8536, 13.2124,
35.6721


 96.1167, 83.1533,
153.1411

 10.9440, 7.5750,
23.8934


 123.0697,
108.1830, 191.2797

 6.0962, 3.8242,
15.0431

154.6421,
137.7902, 235.2766

 2.9449, 1.5757,
8.7027

191.1992,
172.3591, 285.5502

 1.1247, 0.3411,
4.4536

233.1063,

 0.0456, 0.0000,

212.2743, 342.5190

1.8773

280.7288,
257.9201, 406.6018

■ 0.0000, 0.0000,
0.4783

■ 0.0000, 0.0000,
0.0000

■ 39.3198, 31.6848,
69.6890

■ 39.3198, 31.6848,
69.6890

■ 34.2769, 25.0400,
68.6727

■ 45.1689, 39.6626,
70.9211

■ 29.9951, 19.6467,
67.8574


■ 51.8596, 49.0407,
72.3786


■ 26.4291, 15.4201,
67.2295

■ 59.4289, 59.8865,
74.0731


■ 23.5269, 12.2632,
66.7731

■ 67.9106, 72.2616,
76.0147


 21.2282, 10.0618,
66.4694


 77.3364, 86.2242,
78.2130

 19.4499, 8.6574,
66.2920

 84.3946, 95.1452,
79.5629

 19.0985, 8.3988,
66.2607

 88.1041, 97.0576,
79.7365

 89.5245, 97.7898,
79.8030

Harmonies

Analogous

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



32.6871, 31.6848, 83.9294



39.3198, 31.6848, 69.6890



43.8393, 31.6848, 47.5039

Triad

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



39.3198, 31.6848, 69.6890



34.3673, 31.6848, 10.2219



19.2908, 31.6848, 42.1716

Complementary

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



39.3198, 31.6848, 69.6890



46.8661, 60.4896, 32.1285

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.



19.6040, 31.6848, 24.1154



39.3198, 31.6848, 69.6890



27.6823, 31.6848, 9.6976

Square

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



39.3198, 31.6848, 69.6890



40.7038, 31.6848, 15.6021



22.4728, 31.6848, 13.7484



21.5438, 31.6848, 64.5783

Rectangle

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



39.3198, 31.6848, 69.6890



44.6980, 31.6848, 33.6497



22.4728, 31.6848, 13.7484



19.1093, 31.6848, 35.3632

Sweetspot

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



39.3209, 31.6861, 69.6897



81.8894, 80.8875, 105.9045



38.0425, 41.2125, 71.5959



17.2045, 16.8492, 22.5954



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.



39.3209, 31.6861, 69.6897



51.0244, 38.1948, 99.2908



49.8044, 37.0905, 70.1803



12.9715, 12.9434, 16.4668



11.6837, 5.1473, 40.1161



0.8563, 0.3847, 2.6036

Inverse Universe

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



45.0180, 35.1760, 44.9754



60.6442, 44.0851, 57.6722



39.1787, 56.5266, 31.7688



13.3194, 13.1569, 14.9432



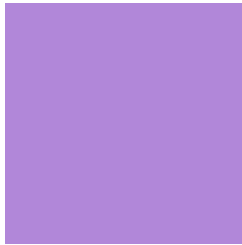
18.9454, 9.5792, 9.3586



1.2708, 0.6380, 0.8351

Previews

White Background



This preview shows how the XYZ color 39.3198, 31.6848, 69.6890 looks on a white background.

Color Contrast Check

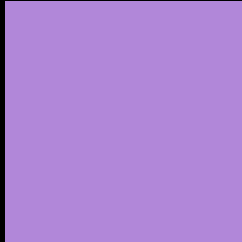
Large Text (above 18pt) WCAG AA × Fail

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 39.3198, 31.6848, 69.6890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

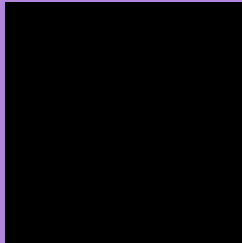
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3198, 31.6848, 69.6890

Background



This preview shows how black text looks on a background with the XYZ color 39.3198, 31.6848, 69.6890.



This preview shows how white text looks on a background with the XYZ color 39.3198, 31.6848,

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

39.3198, 31.6848, 69.6890

Protanopia

33.6534, 31.9055, 78.5134

Deuteranopia

32.7199, 31.8938, 68.0499



Tritanopia

32.6281, 31.5861, 37.1779

Trichromacy



Original Color

39.3198, 31.6848, 69.6890

Protanomaly

35.3931, 31.7068, 75.4888

Deuteranomaly

34.6039, 31.4530, 68.5372

Tritanomaly

34.8553, 31.5981, 47.4420

Monochromacy



Original Color

39.3198, 31.6848, 69.6890

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.1940, 32.6421, 47.1462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3198, 31.6848, 69.6890 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(177, 135, 217)` looks like.

```
.text, #text, p{  
    color:rgb(177, 135, 217)  
}
```

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(177, 135, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 135, 217) }
```

Border

The CSS property to change the border of an element to XYZ 39.3198, 31.6848, 69.6890 is called "border". The border property can be set on classes, ids or directly on the HTML element.

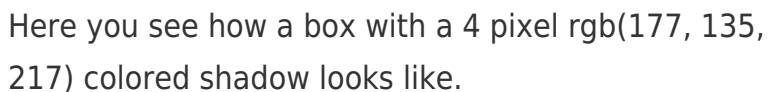
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 135, 217) }
```


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

```
.border{ border-color:rgb(177, 135, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 135, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 135, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 135, 217); box-shadow:4px 4px 4px 4px rgb(177, 135, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3198, 31.6848, 69.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 135, 217) }
```

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

```
.background{ background-color: rgb(177,  
135, 217) }
```

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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