

Converting Colors

XYZ(39.9131, 36.1566, 65.1969)

Have a look what the booklet for
XYZ(39.9131, 36.1566, 65.1969)
contains.

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Color

**XYZ(39.9131, 36.1566,
65.1969)**

Conversions

Conversions Part 1

Format	Color
Hex	AC99D1
RGB	172, 153, 209
RGB Percent	67%, 60%, 82%
CMY	0.3255, 0.4000, 0.1804
CMYK	0.18, 0.27, 0.00, 0.18
HSL	260°, 38%, 71%
HSV	260°, 27%, 82%
XYZ	39.9131, 36.1566, 65.1969
YIQ	165.0650, -6.6520, 21.4440

Conversions

Conversions Part 2

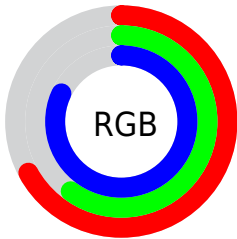
Format	Color
R_{YB}	172, 153, 209
Decimal	11311569
CIE _{Lab}	66.64, 18.22, -26.09
CIE _{LCh}	67, 31.822, 304.926
Yxy	36.1566, 0.2825, 0.2559
Android (android.graphics.Color)	4289501649 (0xFFAC99D1)
YUV	165.0650, 21.6600, 6.0820
Hunter-Lab	60.1304, 13.2559, -22.1945

Details

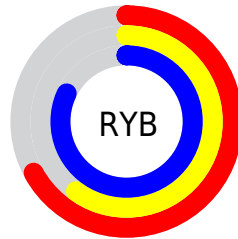
The XYZ color **39.9131, 36.1566, 65.1969** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.7867, 58.8489, 38.8736**, and the grayscale version is **35.6980, 37.5571, 40.8997**.

A 20% lighter version of the original color is **72.3577, 68.3396, 103.9849**, and **18.1919, 15.7578, 32.6546** is the 20% darker color. If you saturate the color by 10%, you get **33.9125, 28.4228, 64.0210**, and if you desaturate by 10%, it is **46.8301, 45.2540, 66.5889**.

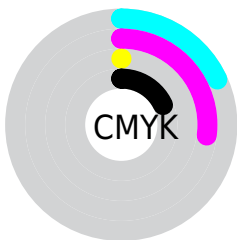
Distribution



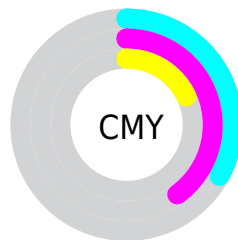
- Red (67%)
- Green (60%)
- Blue (82%)



- Red (67%)
- Yellow (60%)
- Blue (82%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9131, 36.1566, 65.1969 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 39.9131, 36.1566, 65.1969 by changing the saturation by 10% instead.

■ 39.9131, 36.1566,
65.1969

■ 39.9131, 36.1566,
65.1969

336.8979,
329.6445, 461.8248

■ 27.6547, 24.5552,
47.1684

■ 74.3163, 69.2737,
113.9489

■ 18.2047, 15.7460,
32.8135

■ 97.1919, 91.5582,
145.5094

■ 11.1976, 9.3446,
21.7137

124.3372,
118.1724, 182.4178

■ 6.2682, 4.9666,
13.4504

156.1177,
149.5009, 225.0924

■ 3.0510, 2.2277,
7.6050

192.8986,
185.9279, 273.9519

■ 1.1808, 0.7350,
3.7591

235.0454,

■ 0.0911, 0.0000,

227.8379, 329.4147

1.4942

282.9234,
275.6153, 391.8995

■ 0.0000, 0.0000,
0.2136

■ 0.0000, 0.0000,
0.0000

■ 39.9131, 36.1566,
65.1969

■ 39.9131, 36.1566,
65.1969

■ 33.9125, 28.4228,
64.0210

■ 46.8301, 45.2540,
66.5889

■ 28.7841, 21.9807,
63.0478

■ 54.6982, 55.7731,
68.2046

■ 24.4848, 16.7585,
62.2664

■ 63.5543, 67.7742,
70.0543

■ 20.9663, 12.6752,
61.6637

■ 73.4325, 81.3127,
72.1468

■ 18.1748, 9.6397,
61.2250

■ 83.5610, 94.8328,
74.2226

■ 16.0485, 7.5464,
60.9330

■ 88.4565, 97.3566,
74.4518

■ 14.5096, 6.2585,
60.7655

■ 88.5087, 97.3835,
74.4542

■ 14.1005, 5.9396,
60.7255

Harmonies

Analogous

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



35.1627, 36.1566, 71.9298



39.9131, 36.1566, 65.1969



43.4013, 36.1566, 51.6382

Triad

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



39.9131, 36.1566, 65.1969



38.4186, 36.1566, 19.9839



25.9820, 36.1566, 41.6771

Complementary

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



39.9131, 36.1566, 65.1969



49.7867, 58.8489, 38.8736

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.



26.6803, 36.1566, 29.2146



39.9131, 36.1566, 65.1969



33.5809, 36.1566, 18.5023

Square

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



39.9131, 36.1566, 65.1969



42.4838, 36.1566, 26.1155



29.3578, 36.1566, 21.4601



27.3540, 36.1566, 56.4833

Rectangle

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



39.9131, 36.1566, 65.1969



44.3805, 36.1566, 41.7476



29.3578, 36.1566, 21.4601



25.9838, 36.1566, 37.0813

Sweetspot

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



39.9143, 36.1581, 65.1977



84.0977, 85.2005, 106.6207



43.1325, 48.3485, 67.3811



17.5838, 17.6772, 22.7352



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.



39.9143, 36.1581, 65.1977



57.1805, 49.6900, 101.1851



46.6315, 39.6209, 65.5121



11.5363, 11.6098, 14.8765



8.7889, 3.7111, 37.4456



0.5754, 0.2508, 2.0977

Inverse Universe

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



46.9812, 40.0570, 53.9724



70.1691, 56.8643, 80.1792



43.5196, 55.6181, 38.5803



12.1332, 11.9380, 13.9775



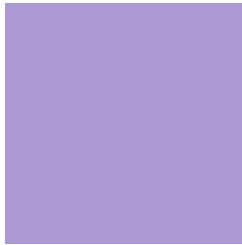
19.0927, 9.5099, 15.9263



1.1038, 0.5463, 1.0816

Previews

White Background



This preview shows how the XYZ color 39.9131, 36.1566, 65.1969 looks on a white background.

Color Contrast Check

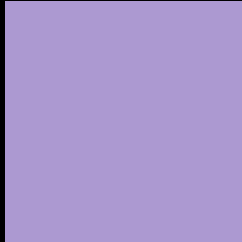
Large Text (above 18pt) WCAG AA × Fail

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 39.9131, 36.1566, 65.1969 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 39.9131, 36.1566, 65.1969

Background



This preview shows how black text looks on a background with the XYZ color 39.9131, 36.1566, 65.1969.



This preview shows how white text looks on a background with the XYZ color 39.9131, 36.1566,

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

39.9131, 36.1566, 65.1969

Protanopia

36.7410, 36.1997, 68.6691

Deuteranopia

37.1097, 36.2204, 64.7098



Tritanopia

35.7431, 36.2272, 44.1384

Trichromacy



Original Color

39.9131, 36.1566, 65.1969

Protanomaly

37.6509, 35.9353, 67.2391

Deuteranomaly

38.1401, 36.2451, 64.6603

Tritanomaly

36.9624, 35.9416, 50.8882

Monochromacy



Original Color

39.9131, 36.1566, 65.1969

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.2338, 37.1508, 48.9244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9131, 36.1566, 65.1969 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(172, 153, 209)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 209)  
}
```

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(172, 153, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 209) }
```

Border

The CSS property to change the border of an element to XYZ 39.9131, 36.1566, 65.1969 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(172, 153, 209) }
```


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

```
.border{ border-color:rgb(172, 153, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 153, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 153, 209); box-shadow:4px 4px 4px 4px rgb(172, 153, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9131, 36.1566, 65.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 209) }
```

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

```
.background{ background-color: rgb(172,  
153, 209) }
```

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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