

Converting Colors

XYZ(39.5906, 36.9928, 64.7282)

Have a look what the booklet for
XYZ(39.5906, 36.9928, 64.7282)
contains.

XYZ(39.5906, 36.9928, 64.7282)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5906, 36.9928,
64.7282)**

Conversions

Conversions Part 1

Format	Color
Hex	A89DD0
RGB	168, 157, 208
RGB Percent	66%, 62%, 82%
CMY	0.3412, 0.3843, 0.1843
CMYK	0.19, 0.25, 0.00, 0.18
HSL	253°, 35%, 72%
HSV	253°, 25%, 82%
XYZ	39.5906, 36.9928, 64.7282
YIQ	166.1030, -9.8150, 18.1930

Conversions

Conversions Part 2

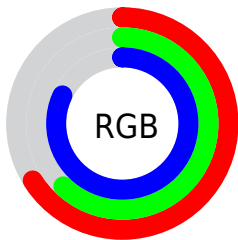
Format	Color
RYB	168, 157, 208
Decimal	11050448
CIELab	67.27, 14.48, -24.60
CIELCh	67, 28.542, 300.490
Yxy	36.9928, 0.2802, 0.2618
Android (android.graphics.Color)	4289240528 (0xFFA89DD0)
YUV	166.1030, 20.6552, 1.6637
Hunter-Lab	60.8217, 9.7528, -20.5229

Details

The XYZ color **39.5906, 36.9928, 64.7282** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.6687, 59.4172, 40.6453**, and the grayscale version is **36.2029, 38.0883, 41.4782**.

A 20% lighter version of the original color is **72.3340, 70.1543, 104.3365**, and **17.9740, 16.2528, 32.3268** is the 20% darker color. If you saturate the color by 10%, you get **33.1088, 28.8651, 63.5016**, and if you desaturate by 10%, it is **47.1097, 46.5462, 66.1765**.

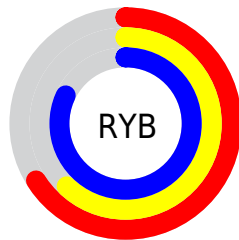
Distribution



Red (66%)

Green (62%)

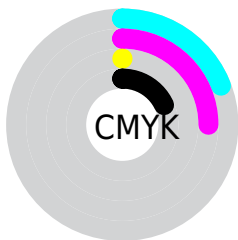
Blue (82%)



Red (66%)

Yellow (62%)

Blue (82%)

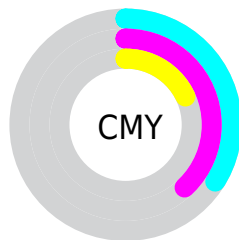


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (18%)



Cyan (34%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5906, 36.9928, 64.7282 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 39.5906, 36.9928, 64.7282 by changing the saturation by 10% instead.

■ 39.5906, 36.9928,
64.7282

■ 39.5906, 36.9928,
64.7282

335.5591,
333.2793, 460.0940

■ 27.4023, 25.2019,
46.7908

■ 73.8280, 70.5617,
113.2685

■ 18.0137, 16.2276,
32.5171

■ 96.6078, 93.1085,
144.7085

■ 11.0596, 9.6853,
21.4887

123.6488,
120.0094, 181.4865

■ 6.1745, 5.1908,
13.2870

155.3163,
151.6489, 224.0209

■ 2.9932, 2.3597,
7.4934

191.9757,
188.4112, 272.7303

■ 1.1501, 0.8050,
3.6895

233.9924,

■ 0.0664, 0.0000,

230.6807, 328.0333

1.4566

281.7318,
278.8420, 390.3483

■ 0.0000, 0.0000,
0.1853

■ 0.0000, 0.0000,
0.0000

■ 39.5906, 36.9928,
64.7282

■ 39.5906, 36.9928,
64.7282

■ 33.1088, 28.8651,
63.5016

■ 47.1097, 46.5462,
66.1765

■ 27.6141, 22.0898,
62.4835

■ 55.7058, 57.5851,
67.8542

■ 23.0579, 16.5934,
61.6627

■ 65.4210, 70.1713,
69.7715

■ 19.3854, 12.2940,
61.0264

■ 76.2941, 84.3615,
71.9374

■ 16.5362, 9.0996,
60.5600

■ 86.4166, 96.3192,
73.7120

■ 14.4416, 6.9046,
60.2467

■ 88.3853, 97.3341,
73.8041

■ 13.0205, 5.5817,
60.0662

■ 12.4614, 5.1089,
60.0045

Harmonies

Analogous

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



35.2324, 36.9928, 69.3924



39.5906, 36.9928, 64.7282



42.9772, 36.9928, 53.3082

Triad

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



39.5906, 36.9928, 64.7282



39.4562, 36.9928, 22.7811



27.4222, 36.9928, 40.4848

Complementary

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



39.5906, 36.9928, 64.7282



51.6687, 59.4172, 40.6453

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.



28.3542, 36.9928, 29.5670



39.5906, 36.9928, 64.7282



35.0888, 36.9928, 20.7161

Square

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



39.5906, 36.9928, 64.7282



42.8952, 36.9928, 29.2781



31.0739, 36.9928, 22.9220



28.4165, 36.9928, 53.7386

Rectangle

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



39.5906, 36.9928, 64.7282



44.0990, 36.9928, 44.3795



31.0739, 36.9928, 22.9220



27.5197, 36.9928, 36.4390

Sweetspot

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



39.5918, 36.9943, 64.7290



84.6532, 86.5760, 106.8569



45.4393, 52.0200, 67.3211



17.9363, 18.2954, 22.8360



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.



39.5918, 36.9943, 64.7290



57.6098, 52.1583, 101.6389



45.3592, 39.9675, 64.9989



11.3987, 11.5388, 14.8701



7.8339, 3.2188, 37.4009



0.5069, 0.2155, 2.0944

Inverse Universe

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



48.1485, 41.5564, 58.3080



73.3615, 60.5631, 89.5239



45.7220, 56.3516, 40.3670



12.1971, 11.9636, 14.3136



20.3774, 10.0238, 22.6912



1.1672, 0.5716, 1.4153

Previews

White Background



This preview shows how the XYZ color 39.5906, 36.9928, 64.7282 looks on a white background.

Color Contrast Check

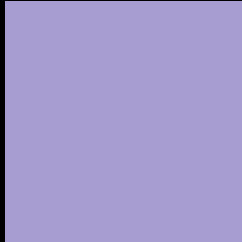
Large Text (above 18pt) WCAG AA × Fail

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 39.5906, 36.9928, 64.7282 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 39.5906, 36.9928, 64.7282

Background



This preview shows how black text looks on a background with the XYZ color 39.5906, 36.9928, 64.7282.



This preview shows how white text looks on a background with the XYZ color 39.5906, 36.9928,

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

39.5906, 36.9928, 64.7282

Protanopia

37.5665, 37.1734, 67.4826

Deuteranopia

37.9120, 37.1628, 64.2065



Tritanopia

35.8340, 37.0104, 46.3294

Trichromacy



Original Color

39.5906, 36.9928, 64.7282

Protanomaly

38.2333, 37.0129, 66.7571

Deuteranomaly

38.5312, 37.2237, 64.1856

Tritanomaly

37.1318, 37.0131, 52.7641

Monochromacy



Original Color

39.5906, 36.9928, 64.7282

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.3740, 37.7461, 49.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5906, 36.9928, 64.7282 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(168, 157, 208)` looks like.

```
.text, #text, p{  
    color:rgb(168, 157, 208)  
}
```

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(168, 157, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 157, 208) }
```

Border

The CSS property to change the border of an element to XYZ 39.5906, 36.9928, 64.7282 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(168, 157, 208) }
```


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

```
.border{ border-color:rgb(168, 157, 208) }
```

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

Here you see how a box with a 4 pixel rgb(168, 157, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 157, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 157, 208);  
box-shadow:4px 4px 4px 4px rgb(168, 157,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5906, 36.9928, 64.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 157, 208) }
```

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

```
.background{ background-color: rgb(168,  
157, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor