

Converting Colors

XYZ(35.8721, 33.6538, 70.0813)

Have a look what the booklet for
XYZ(35.8721, 33.6538, 70.0813)
contains.

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Color

**XYZ(35.9654, 33.7621,
70.2668)**

Conversions

Conversions Part 1

Format	Color
Hex	9498D9
RGB	148, 152, 217
RGB Percent	58%, 60%, 85%
CMY	0.4196, 0.4039, 0.1490
CMYK	0.32, 0.30, 0.00, 0.15
HSL	237°, 48%, 72%
HSV	237°, 32%, 85%
XYZ	35.9654, 33.7621, 70.2668
YIQ	158.2140, -23.2490, 19.3670

Conversions

Conversions Part 2

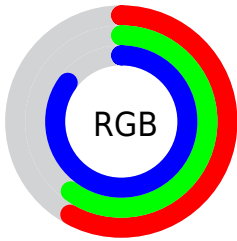
Format	Color
RYB	148, 152, 217
Decimal	9738457
CIELab	64.77, 13.49, -33.57
CIELCh	65, 36.177, 291.889
Yxy	33.7621, 0.2569, 0.2412
Android (android.graphics.Color)	4287928537 (0xFF9498D9)
YUV	158.2140, 28.9815, -8.9577
Hunter-Lab	58.1052, 8.8023, -31.0260

Details

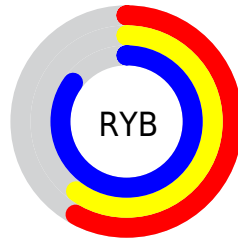
The XYZ color **35.9654, 33.7621, 70.2668** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.7557, 64.4794, 37.4201**, and the grayscale version is **32.4776, 34.1689, 37.2100**.

A 20% lighter version of the original color is **65.0231, 64.2000, 103.5725**, and **15.8946, 14.3489, 36.1143** is the 20% darker color. If you saturate the color by 10%, you get **29.3653, 25.8521, 69.0885**, and if you desaturate by 10%, it is **43.8754, 43.1976, 71.6717**.

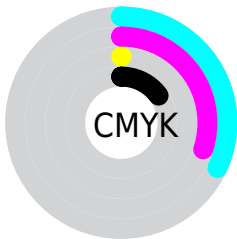
Distribution



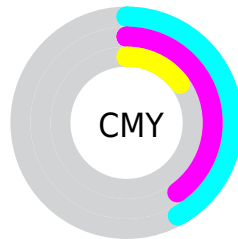
- Red (58%)
- Green (60%)
- Blue (85%)



- Red (58%)
- Yellow (60%)
- Blue (85%)



- Cyan (32%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)



- Cyan (42%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9654, 33.7621, 70.2668 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 35.9654, 33.7621, 70.2668 by changing the saturation by 10% instead.

■ 35.9654, 33.7621,
70.2668

■ 35.9654, 33.7621,
70.2668

320.2432,
319.0700, 480.3006

■ 24.5775, 22.7109,
51.2659

■ 68.3029, 65.5635,
121.2738

■ 15.8896, 14.3802,
36.0421

■ 89.9831, 87.0826,
154.1171

■ 9.5364, 8.3856,
24.1768

115.8249,
112.8597, 192.4115

■ 5.1526, 4.3426,
15.2514

146.1934,
143.2792, 236.5757

■ 2.3727, 1.8670,
8.8474

181.4542,
178.7256, 287.0282

■ 0.8315, 0.5284,
4.5463

221.9725,

■ 0.0000, 0.0000,

219.5833, 344.1874

1.9296

268.1137,
266.2366, 408.4721

■ 0.0000, 0.0000,
0.5115

■ 0.0000, 0.0000,
0.0000

■ 35.9654, 33.7621,
70.2668

■ 35.9654, 33.7621,
70.2668

■ 29.3653, 25.8521,
69.0885

■ 43.8754, 43.1976,
71.6717

■ 24.0011, 19.3838,
68.1227

■ 53.1571, 54.2287,
73.3118

■ 19.7967, 14.2713,
67.3575

■ 63.8724, 66.9259,
75.1978

■ 16.6663, 10.4180,
66.7787

■ 76.0786, 81.3544,
77.3394

■ 14.5121, 7.7144,
66.3704

■ 89.2743, 97.2894,
79.7197

■ 13.2183, 6.0324,
66.1139

■ 89.5245, 97.7898,
79.8031

■ 12.6631, 5.2870,
65.9993

Harmonies

Analogous

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



30.6990, 33.7621, 73.0420



35.9654, 33.7621, 70.2668



40.6215, 33.7621, 57.4291

Triad

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



35.9654, 33.7621, 70.2668



38.6682, 33.7621, 18.5136



23.1706, 33.7621, 32.8653

Complementary

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



35.9654, 33.7621, 70.2668



57.7557, 64.4794, 37.4201

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.



24.8452, 33.7621, 21.7630



35.9654, 33.7621, 70.2668



33.5221, 33.7621, 15.0680

Square

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



35.9654, 33.7621, 70.2668



42.2956, 33.7621, 27.0819



28.5032, 33.7621, 16.0709



23.6740, 33.7621, 48.5091

Rectangle

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



35.9654, 33.7621, 70.2668



42.5673, 33.7621, 46.4055



28.5032, 33.7621, 16.0709



23.4904, 33.7621, 28.5552

Sweetspot

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



35.9666, 33.7634, 70.2676



79.0927, 81.0999, 106.0930



48.9608, 60.6961, 71.6880



16.4858, 16.8329, 22.6301



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.



35.9666, 33.7634, 70.2676



45.3950, 40.9489, 100.1191



41.4526, 35.6441, 70.3415



12.3990, 12.7377, 16.4573



7.6907, 3.2508, 39.9605



0.5201, 0.2542, 2.5961

Inverse Universe

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



44.8737, 38.1998, 34.7152



60.1592, 48.4180, 41.1628



50.6771, 62.3421, 37.3807



13.0865, 13.0637, 13.7167



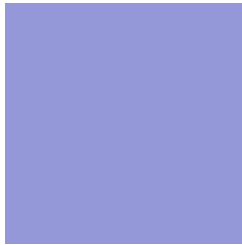
17.3772, 8.9519, 1.1006



1.1368, 0.5844, 0.1293

Previews

White Background



This preview shows how the XYZ color 35.9654, 33.7621, 70.2668 looks on a white background.

Color Contrast Check

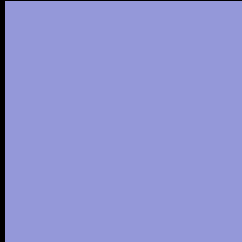
Large Text (above 18pt) WCAG AA × Fail

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 35.9654, 33.7621, 70.2668 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 35.9654, 33.7621, 70.2668

Background



This preview shows how black text looks on a background with the XYZ color 35.9654, 33.7621, 70.2668.



This preview shows how white text looks on a background with the XYZ color 35.9654, 33.7621,

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

35.9654, 33.7621, 70.2668

Protanopia

34.8241, 33.8755, 71.7210

Deuteranopia

34.5972, 33.8038, 69.6671



Tritanopia

30.7611, 33.6477, 44.4085

Trichromacy



Original Color

35.9654, 33.7621, 70.2668

Protanomaly

35.1950, 33.8359, 71.0057

Deuteranomaly

35.1056, 33.8199, 69.6434

Tritanomaly

32.3976, 33.5388, 52.9102

Monochromacy



Original Color

35.9654, 33.7621, 70.2668

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.3516, 33.9016, 47.4337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9654, 33.7621, 70.2668 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(148, 152, 217)` looks like.

```
.text, #text, p{  
    color:rgb(148, 152, 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(148, 152, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 152, 217) }
```

Border

The CSS property to change the border of an element to XYZ 35.9654, 33.7621, 70.2668 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(148, 152, 217) }
```


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

```
.border{ border-color:rgb(148, 152, 217) }
```

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

Here you see how a box with a 4 pixel rgb(148, 152, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 152, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 152, 217);  
box-shadow:4px 4px 4px 4px rgb(148, 152,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9654, 33.7621, 70.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 152, 217) }
```

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

```
.background{ background-color: rgb(148,  
152, 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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