

# Converting Colors

XYZ(35.8144, 33.9334, 69.9847)

Have a look what the booklet for  
XYZ(35.8144, 33.9334, 69.9847)  
contains.

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# Color

**XYZ(35.9482, 33.9953,  
70.3127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9399D9
RGB	147, 153, 217
RGB Percent	58%, 60%, 85%
CMY	0.4235, 0.4000, 0.1490
CMYK	0.32, 0.29, 0.00, 0.15
HSL	235°, 48%, 71%
HSV	235°, 32%, 85%
XYZ	35.9482, 33.9953, 70.3127
YIQ	158.5020, -24.1200, 18.6320

# Conversions

## Conversions Part 2

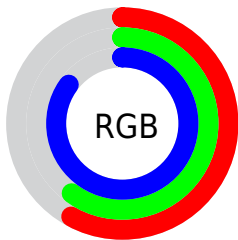
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 153, 217
Decimal	9673177
CIE <sub>Lab</sub>	64.96, 12.63, -33.29
CIE <sub>LCh</sub>	65, 35.602, 290.777
Yxy	33.9953, 0.2563, 0.2424
Android (android.graphics.Color)	4287863257 (0xFF9399D9)
YUV	158.5020, 28.8395, -10.0873
Hunter-Lab	58.3055, 8.0194, -30.6861

# Details

The XYZ color **35.9482, 33.9953, 70.3127** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.1766, 63.4472, 36.8379**, and the grayscale version is **32.6092, 34.3074, 37.3607**.

A 20% lighter version of the original color is **64.9914, 64.5422, 103.6402**, and **15.8891, 14.4911, 36.1420** is the 20% darker color. If you saturate the color by 10%, you get **29.4361, 26.2124, 69.1543**, and if you desaturate by 10%, it is **43.7365, 43.2390, 71.6870**.

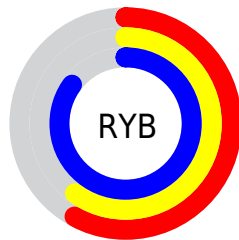
# Distribution



Red (58%)

Green (60%)

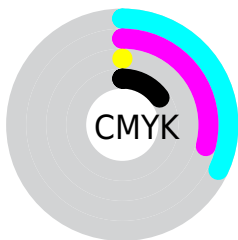
Blue (85%)



Red (58%)

Yellow (60%)

Blue (85%)

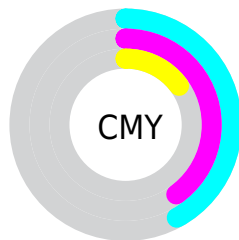


Cyan (32%)

Magenta (29%)

Yellow (0%)

Black (15%)



Cyan (42%)

Magenta (40%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9482, 33.9953, 70.3127 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 35.9482, 33.9953, 70.3127 by changing the saturation by 10% instead.



■ 35.9482, 33.9953,  
70.3127

■ 35.9482, 33.9953,  
70.3127

320.1693,  
320.1111, 480.4659

■ 24.5641, 22.8900,  
51.3031

■ 68.2765, 65.9264,  
121.3399

■ 15.8796, 14.5123,  
36.0715

■ 89.9514, 87.5209,  
154.1946

■ 9.5293, 8.4778,  
24.1993

115.7873,  
113.3806, 192.5013

■ 5.1479, 4.4022,  
15.2680

146.1496,  
143.8900, 236.6788

■ 2.3699, 1.9010,  
8.8590

181.4036,  
179.4333, 287.1454

■ 0.8301, 0.5490,  
4.5537

221.9146,

■ 0.0000, 0.0000,

220.3950, 344.3198

1.9338

268.0481,  
267.1594, 408.6205

■ 0.0000, 0.0000,  
0.5141

■ 0.0000, 0.0000,  
0.0000

■ 35.9482, 33.9953,  
70.3127

■ 35.9482, 33.9953,  
70.3127

■ 29.4361, 26.2124,  
69.1543

■ 43.7365, 43.2390,  
71.6870

■ 24.1287, 19.8117,  
68.1985

■ 52.8604, 54.0088,  
73.2849

■ 19.9526, 14.7131,  
67.4345

■ 63.3800, 66.3710,  
75.1166

■ 16.8253, 10.8269,  
66.8492

■ 75.3504, 80.3866,  
77.1910

■ 14.6525, 8.0516,  
66.4281

■ 88.6386, 96.0179,  
79.5078

■ 13.3231, 6.2691,  
66.1541

■ 89.5245, 97.7898,  
79.8031

■ 12.7507, 5.4622,  
66.0285

# Harmonies

## Analogous

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



30.7523, 33.9953, 72.6007



35.9482, 33.9953, 70.3127



40.5943, 33.9953, 57.9683

# Triad

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



35.9482, 33.9953, 70.3127



38.9771, 33.9953, 19.1235



23.4999, 33.9953, 32.6589

# Complementary

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



35.9482, 33.9953, 70.3127



57.1766, 63.4472, 36.8379

# 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.



25.2397, 33.9953, 21.8388



35.9482, 33.9953, 70.3127



33.9226, 33.9953, 15.5061

# Square

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



35.9482, 33.9953, 70.3127



42.4679, 33.9953, 27.8495



28.9288, 33.9953, 16.3472



23.9191, 33.9953, 47.9988



# Rectangle

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



35.9482, 33.9953, 70.3127



42.5781, 33.9953, 47.1450



28.9288, 33.9953, 16.3472



23.8441, 33.9953, 28.4513

# Sweetspot

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



35.9494, 33.9966, 70.3135



79.2912, 81.4970, 106.1591



48.4792, 60.4826, 70.0926



16.5334, 16.9280, 22.6460



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.



35.9494, 33.9966, 70.3135



44.9623, 40.8210, 100.1172



40.6383, 34.9923, 70.2585



12.4280, 12.7957, 16.4669



7.7505, 3.3705, 39.9805



0.5339, 0.2819, 2.6007



# Inverse Universe

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



44.7997, 37.9201, 35.0965



59.7607, 47.5692, 41.1896



51.0664, 62.5518, 36.9871



13.1011, 13.0696, 13.7938



17.4074, 8.9640, 1.2596

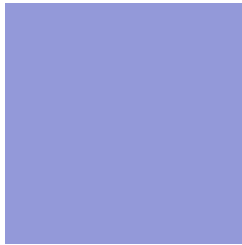


1.1438, 0.5871, 0.1660



# Previews

## White Background



This preview shows how the XYZ color 35.9482, 33.9953, 70.3127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

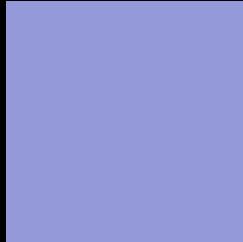
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.9482, 33.9953, 70.3127 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 35.9482, 33.9953, 70.3127**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9482, 33.9953, 70.3127.



This preview shows how white text looks on a background with the XYZ color 35.9482, 33.9953,



# 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

35.9482, 33.9953, 70.3127

### Protanopia

34.9888, 33.9604, 71.7287

### Deuteranopia

34.7635, 33.8895, 69.6748



## Tritanopia

30.8661, 33.9490, 44.9704

# Trichromacy



## Original Color

35.9482, 33.9953, 70.3127

## Protanomaly

35.1950, 33.8359, 71.0057

## Deuteranomaly

35.1056, 33.8199, 69.6434

## Tritanomaly

32.5056, 33.8341, 53.5326

# Monochromacy



## Original Color

35.9482, 33.9953, 70.3127

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

33.8128, 34.3778, 48.0335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9482, 33.9953, 70.3127 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(147, 153, 217)` looks like.

```
.text, #text, p{  
    color:rgb(147, 153, 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(147, 153, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9482, 33.9953, 70.3127 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(147, 153, 217) }
```



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

```
.border{ border-color:rgb(147, 153, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 153, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 217);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9482, 33.9953, 70.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 217) }
```

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

```
.background{ background-color: rgb(147,  
153, 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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