

# Converting Colors

XYZ(34.8039, 33.8218, 99.3016)

Have a look what the booklet for  
XYZ(34.8039, 33.8218, 99.3016)  
contains.

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# Color

**XYZ(34.7231, 33.7136,  
99.2850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E9DFF
RGB	94, 157, 255
RGB Percent	37%, 62%, 100%
CMY	0.6313, 0.3843, 0.0000
CMYK	0.63, 0.38, 0.00, 0.00
HSL	217°, 100%, 68%
HSV	217°, 63%, 100%
XYZ	34.7231, 33.7136, 99.2850
YIQ	149.3350, -69.0060, 17.1220

# Conversions

## Conversions Part 2

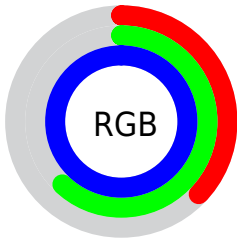
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 139, 255
Decimal	6200831
CIE Lab	64.73, 9.44, -54.74
CIE LCh	65, 55.552, 279.785
Yxy	33.7136, 0.2070, 0.2010
Android (android.graphics.Color)	4284390911 (0xFF5E9DFF)
YUV	149.3350, 52.0928, -48.5288
Hunter-Lab	58.0634, 5.1356, -60.7380

# Details

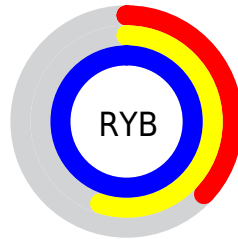
The XYZ color **34.7231, 33.7136, 99.2850** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **62.1122, 59.7711, 18.8553**, and the grayscale version is **28.5178, 30.0030, 32.6733**.

A 20% lighter version of the original color is **55.2489, 60.9766, 103.4655**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **30.0653, 27.6587, 98.3618**, and if you desaturate by 10%, it is **40.5803, 40.8830, 100.3601**.

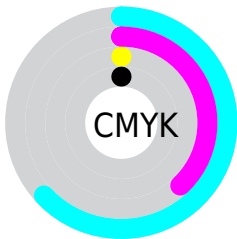
# Distribution



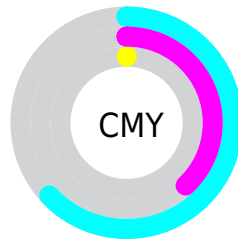
- Red (37%)
- Green (62%)
- Blue (100%)



- Red (37%)
- Yellow (55%)
- Blue (100%)



- Cyan (63%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (38%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7231, 33.7136, 99.2850 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 34.7231, 33.7136, 99.2850 by changing the saturation by 10% instead.



■ 34.7231, 33.7136,  
99.2850

■ 34.7231, 33.7136,  
99.2850

314.8739,  
318.8531, 579.1250

■ 23.6152, 22.6737,  
75.0900

■ 66.3934, 65.4880,  
162.2176

■ 15.1716, 14.3527,  
55.1844

■ 87.6866, 86.9913,  
201.7922

■ 9.0270, 8.3664,  
39.1498

■ 113.1054,  
112.7512, 247.3304

■ 4.8160, 4.3303,  
26.5676

■ 143.0155,  
143.1521, 299.2509

■ 2.1734, 1.8600,  
17.0192

177.7819,  
178.5783, 357.9720

■ 0.7287, 0.5241,  
10.0860

217.7703,

■ 0.0000, 0.0000,

219.4143, 423.9123

5.3497

263.3458,  
266.0444, 497.4905

■ 0.0000, 0.0000,  
2.3916

■ 0.0000, 0.0000,  
0.7818

■ 34.7231, 33.7136,  
99.2850

■ 34.7231, 33.7136,  
99.2850

■ 30.0653, 27.6587,  
98.3618

■ 40.5803, 40.8830,  
100.3601

■ 26.5020, 22.6444,  
97.5817

■ 47.7219, 49.2269,  
101.5943

■ 23.9133, 18.5897,  
96.9356

■ 56.2285, 58.8040,  
102.9945

■ 22.5857, 16.2914,  
96.5619

■ 66.1728, 69.6677,  
104.5673

■ 77.6220, 81.8679,  
106.3187

■ 90.6391, 95.4517,  
108.2546

95.0500, 100.0000,  
108.9000

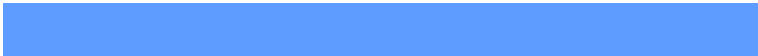
# Harmonies

## Analogous

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



27.0281, 33.7136, 95.3244



34.7231, 33.7136, 99.2850



42.9010, 33.7136, 81.8984

# Triad

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



34.7231, 33.7136, 99.2850



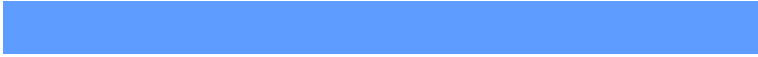
45.3423, 33.7136, 15.1556



19.6926, 33.7136, 23.5196

# Complementary

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



34.7231, 33.7136, 99.2850



62.1122, 59.7711, 18.8553

# 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.



23.1928, 33.7136, 12.2338



34.7231, 33.7136, 99.2850



37.6445, 33.7136, 8.9833

# Square

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



34.7231, 33.7136, 99.2850



49.6703, 33.7136, 29.7345



29.5059, 33.7136, 8.1983

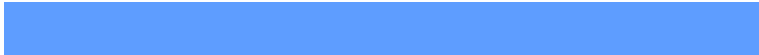


19.1753, 33.7136, 44.6954



# Rectangle

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



34.7231, 33.7136, 99.2850



47.2183, 33.7136, 63.5658



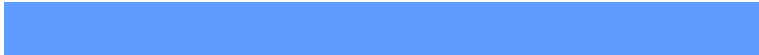
29.5059, 33.7136, 8.1983



20.5279, 33.7136, 18.7354

# Sweetspot

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



34.7243, 33.7147, 99.2852



70.7192, 74.5459, 105.2692



49.7375, 77.6444, 61.4274



14.4575, 15.2281, 22.4273



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.



34.7243, 33.7147, 99.2852



28.9367, 26.1182, 98.1239



28.4975, 18.5491, 96.6861



17.5859, 18.5435, 22.9023



11.9362, 8.7820, 50.5006



1.2647, 1.0602, 4.9513



# Inverse Universe

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



51.3295, 31.7015, 35.3126



47.4369, 26.4259, 26.2785



73.3440, 90.6618, 24.2258



18.3036, 18.1048, 20.2162



22.8130, 11.6145, 7.6659



2.2730, 1.1516, 1.0190



# Previews

## White Background



This preview shows how the XYZ color 34.7231, 33.7136, 99.2850 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 34.7231, 33.7136, 99.2850 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

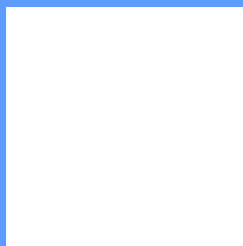
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 34.7231, 33.7136, 99.2850

## Background



This preview shows how black text looks on a background with the XYZ color 34.7231, 33.7136, 99.2850.



This preview shows how white text looks on a background with the XYZ color 34.7231, 33.7136,



# 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

34.7231, 33.7136, 99.2850

### Protanopia

36.2750, 33.5991, 95.8402

### Deuteranopia

34.8263, 33.7668, 99.2899



## Tritanopia

25.1968, 33.8777, 51.1100

# Trichromacy



## Original Color

34.7231, 33.7136, 99.2850

## Protanomaly

35.4330, 33.3907, 96.6730

## Deuteranomaly

34.8263, 33.7668, 99.2899

## Tritanomaly

27.9774, 33.5927, 65.9822

# Monochromacy



## Original Color

34.7231, 33.7136, 99.2850

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.3586, 30.7544, 51.9658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7231, 33.7136, 99.2850 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(94, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 157, 255)  
}
```

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(94, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 157, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7231, 33.7136, 99.2850 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(94, 157, 255) }
```



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

```
.border{ border-color:rgb(94, 157, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 157,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7231, 33.7136, 99.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 157, 255) }
```

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

```
.background{ background-color: rgb(94, 157,  
255) }
```

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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