

Converting Colors

XYZ(35.7350, 36.7967, 99.8268)

Have a look what the booklet for
XYZ(35.7350, 36.7967, 99.8268)
contains.

XYZ(35.7992, 36.8837, 99.8402)	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(35.7992, 36.8837,
99.8402)**

Conversions

Conversions Part 1

Format	Color
Hex	57A7FF
RGB	87, 167, 255
RGB Percent	34%, 65%, 100%
CMY	0.6588, 0.3451, 0.0000
CMYK	0.66, 0.35, 0.00, 0.00
HSL	211°, 100%, 67%
HSV	211°, 66%, 100%
XYZ	35.7992, 36.8837, 99.8402
YIQ	153.1120, -75.9280, 10.4080

Conversions

Conversions Part 2

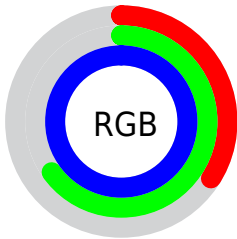
Format	Color
R _Y B	87, 141, 255
Decimal	5744639
CIE Lab	67.19, 2.51, -50.87
CIE LCh	67, 50.934, 272.828
Yxy	36.8837, 0.2075, 0.2138
Android (android.graphics.Color)	4283934719 (0xFF57A7FF)
YUV	153.1120, 50.2308, -57.9802
Hunter-Lab	60.7320, -1.0619, -54.9573

Details

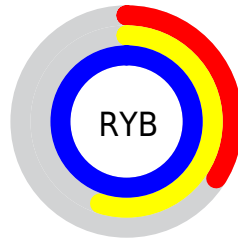
The XYZ color **35.7992, 36.8837, 99.8402** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **58.2922, 52.6112, 16.1015**, and the grayscale version is **30.1406, 31.7103, 34.5325**.

A 20% lighter version of the original color is **56.9338, 66.0419, 104.3544**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **31.5030, 31.2223, 98.9739**, and if you desaturate by 10%, it is **41.1911, 43.4862, 100.8304**.

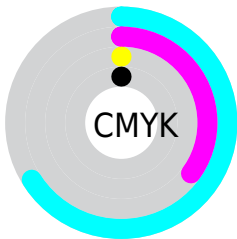
Distribution



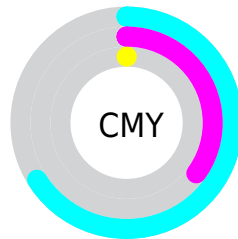
- Red (34%)
- Green (65%)
- Blue (100%)



- Red (34%)
- Yellow (55%)
- Blue (100%)



- Cyan (66%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7992, 36.8837, 99.8402 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 35.7992, 36.8837, 99.8402 by changing the saturation by 10% instead.

■ 35.7992, 36.8837,
99.8402

■ 35.7992, 36.8837,
99.8402

319.5286,
332.8067, 580.9225

■ 24.4485, 25.1175,
75.5509

■ 68.0479, 70.3939,
162.9875

■ 15.7932, 16.1646,
55.5599

■ 89.6767, 92.9066,
202.6827

■ 9.4679, 9.6407,
39.4486

■ 115.4622,
119.7703, 248.3502

■ 5.1071, 5.1614,
26.7984

■ 145.7699,
151.3693, 300.4087

■ 2.3457, 2.3423,
17.1907

180.9650,
188.0881, 359.2766

■ 0.8179, 0.7959,
10.2072

221.4129,

■ 0.0000, 0.0000,

230.3110, 425.3725

5.4291

267.4790,
278.4224, 499.1150

■ 0.0000, 0.0000,
2.4381

■ 0.0000, 0.0000,
0.8071

■ 35.7992, 36.8837,
99.8402

■ 35.7992, 36.8837,
99.8402

■ 31.5030, 31.2223,
98.9739

■ 41.1911, 43.4862,
100.8304

■ 28.1979, 26.4353,
98.2241

■ 47.7617, 51.0819,
101.9502

■ 25.7618, 22.4483,
97.5829

■ 55.5898, 59.7224,
103.2054

■ 24.9390, 20.9980,
97.3463

■ 64.7455, 69.4537,
104.6012

■ 75.2936, 80.3191,
106.1425

■ 87.2944, 92.3588,
107.8339

95.0500, 100.0000,
108.9000

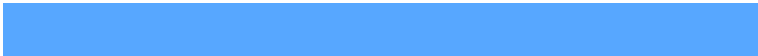
Harmonies

Analogous

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



28.6678, 36.8837, 91.5139



35.7992, 36.8837, 99.8402



43.7953, 36.8837, 87.9065

Triad

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



35.7992, 36.8837, 99.8402



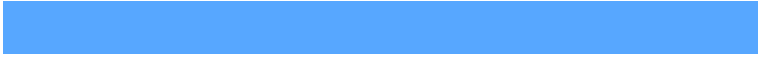
49.1680, 36.8837, 21.1445



23.3752, 36.8837, 23.6195

Complementary

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



35.7992, 36.8837, 99.8402



58.2922, 52.6112, 16.1015

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.



27.5657, 36.8837, 13.8695



35.7992, 36.8837, 99.8402



42.3309, 36.8837, 12.8560

Square

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



35.7992, 36.8837, 99.8402



52.1946, 36.8837, 38.0857



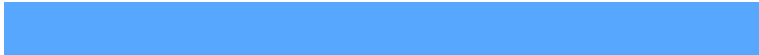
34.3248, 36.8837, 10.7924



22.1528, 36.8837, 42.3085

Rectangle

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



35.7992, 36.8837, 99.8402



48.3589, 36.8837, 71.9536



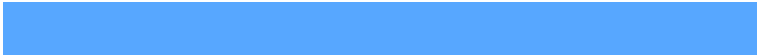
34.3248, 36.8837, 10.7924



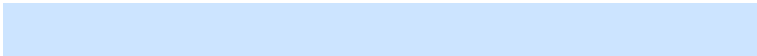
24.4495, 36.8837, 19.4595

Sweetspot

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



35.8005, 36.8849, 99.8403



70.7737, 75.7010, 105.4893



47.3123, 76.5951, 52.2353



14.5185, 15.5532, 22.4868



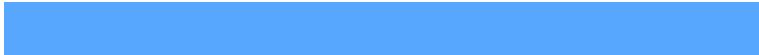
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8005, 36.8849, 99.8403



30.3700, 29.6373, 98.7277



25.6569, 16.2021, 96.3828



17.7165, 18.8046, 22.9458



13.1784, 11.2664, 50.9146



1.3916, 1.3140, 4.9936

Inverse Universe

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



51.6242, 30.8681, 39.7974



48.0011, 26.0418, 31.1296



77.6981, 92.9411, 22.8632



18.3696, 18.1311, 20.5632



23.4400, 11.8653, 10.9677



2.3370, 1.1772, 1.3563

Previews

White Background



This preview shows how the XYZ color 35.7992, 36.8837, 99.8402 looks on a white background.

Color Contrast Check

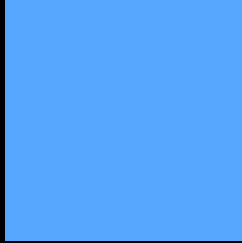
Large Text (above 18pt) WCAG AA × Fail

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 35.7992, 36.8837, 99.8402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

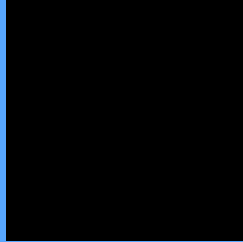
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

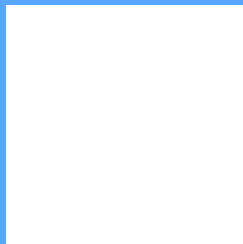
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7992, 36.8837, 99.8402

Background



This preview shows how black text looks on a background with the XYZ color 35.7992, 36.8837, 99.8402.



This preview shows how white text looks on a background with the XYZ color 35.7992, 36.8837,

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

35.7992, 36.8837, 99.8402

Protanopia

39.0298, 36.8065, 94.6698

Deuteranopia

37.8293, 36.8591, 99.7284



Tritanopia

27.1731, 36.8134, 56.7125

Trichromacy



Original Color

35.7992, 36.8837, 99.8402

Protanomaly

37.5800, 36.8043, 96.3900

Deuteranomaly

36.9190, 36.6545, 99.7369

Tritanomaly

29.7745, 36.6746, 70.4754

Monochromacy



Original Color

35.7992, 36.8837, 99.8402

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5744, 32.8386, 53.4422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7992, 36.8837, 99.8402 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(87, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(87, 167, 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(87, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 167, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.7992, 36.8837, 99.8402 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(87, 167, 255) }
```


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

```
.border{ border-color:rgb(87, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(87, 167,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7992, 36.8837, 99.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 167, 255) }
```

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

```
.background{ background-color: rgb(87, 167,  
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](#).

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