

Converting Colors

XYZ(37.4153, 36.3729,
118.9295)

Have a look what the booklet for
XYZ(37.4153, 36.3729, 118.9295)
contains.

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Color

**XYZ(33.7797, 35.0361,
99.5900)**

Conversions

Conversions Part 1

Format	Color
Hex	45A4FF
RGB	69, 164, 255
RGB Percent	27%, 64%, 100%
CMY	0.7294, 0.3569, 0.0000
CMYK	0.73, 0.36, 0.00, 0.00
HSL	209°, 100%, 64%
HSV	209°, 73%, 100%
XYZ	33.7797, 35.0361, 99.5900
YIQ	145.9690, -85.8310, 8.1610

Conversions

Conversions Part 2

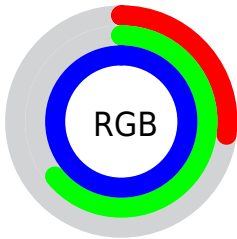
Format	Color
R _{YB}	69, 132, 255
Decimal	4564223
CIE Lab	65.78, 1.68, -53.15
CIE LCh	66, 53.172, 271.813
Yxy	35.0361, 0.2006, 0.2080
Android (android.graphics.Color)	4282754303 (0xFF45A4FF)
YUV	145.9690, 53.7523, -67.5018
Hunter-Lab	59.1913, -1.7172, -58.3222

Details

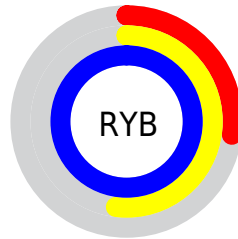
The XYZ color **33.7797, 35.0361, 99.5900** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **54.8875, 46.8356, 11.7797**, and the grayscale version is **27.1229, 28.5354, 31.0751**.

A 20% lighter version of the original color is **53.8628, 63.2863, 103.9844**, and **16.0982, 15.8875, 55.6442** is the 20% darker color. If you saturate the color by 10%, you get **30.2192, 30.0474, 98.8147**, and if you desaturate by 10%, it is **38.3382, 40.8654, 100.4749**.

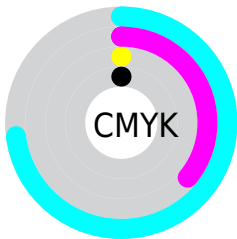
Distribution



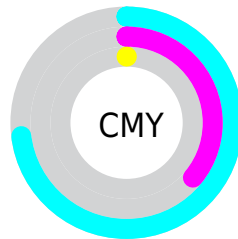
- Red (27%)
- Green (64%)
- Blue (100%)



- Red (27%)
- Yellow (52%)
- Blue (100%)



- Cyan (73%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7797, 35.0361, 99.5900 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 33.7797, 35.0361, 99.5900 by changing the saturation by 10% instead.

■ 33.7797, 35.0361,
99.5900

■ 33.7797, 35.0361,
99.5900

310.7519,
324.7276, 580.1128

■ 22.8865, 23.6907,
75.3432

■ 64.9375, 67.5417,
162.6406

■ 14.6300, 15.1043,
55.3907

■ 85.9328, 89.4707,
202.2815

■ 8.6447, 8.8926,
39.3139

■ 111.0262,
115.6963, 247.8908

■ 4.5654, 4.6712,
26.6943

■ 140.5830,
146.6029, 299.8871

■ 2.0267, 2.0557,
17.1134

174.9687,
182.5749, 358.6889

■ 0.6489, 0.6395,
10.1525

214.5484,

■ 0.0000, 0.0000,

223.9968, 424.7147

5.3933

259.6877,
271.2529, 498.3832

■ 0.0000, 0.0000,
2.4171

■ 0.0000, 0.0000,
0.7957

■ 33.7797, 35.0361,
99.5900

■ 33.7797, 35.0361,
99.5900

■ 30.2192, 30.0474,
98.8147

■ 38.3382, 40.8654,
100.4749

■ 27.5394, 25.8280,
98.1416

■ 43.9854, 47.5897,
101.4752

■ 26.0639, 23.2479,
97.7213

■ 50.8050, 55.2610,
102.5965

■ 58.8707, 63.9258,
103.8438

■ 68.2496, 73.6265,
105.2219

■ 79.0040, 84.4031,
106.7352

■ 91.1916, 96.2927,
108.3878

■ 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.



26.6774, 35.0361, 90.2358



33.7797, 35.0361, 99.5900



41.8933, 35.0361, 87.8339

Triad

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



33.7797, 35.0361, 99.5900



47.8188, 35.0361, 19.6202



21.7056, 35.0361, 21.1775

Complementary

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



33.7797, 35.0361, 99.5900



54.8875, 46.8356, 11.7797

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.



25.9716, 35.0361, 11.9702



33.7797, 35.0361, 99.5900



40.9386, 35.0361, 11.3508

Square

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



33.7797, 35.0361, 99.5900



50.7486, 35.0361, 36.7995



32.8264, 35.0361, 9.2273



20.3950, 35.0361, 39.5298

Rectangle

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



33.7797, 35.0361, 99.5900



46.6057, 35.0361, 71.5361



32.8264, 35.0361, 9.2273



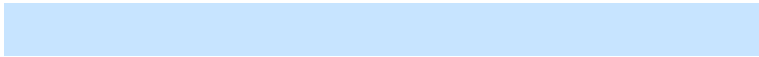
22.8046, 35.0361, 17.2030

Sweetspot

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



33.7809, 35.0372, 99.5901



69.1969, 74.5889, 105.3578



44.4651, 75.2857, 44.9466



14.2306, 15.3738, 22.4674



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.



33.7809, 35.0372, 99.5901



28.7601, 27.8192, 98.4616



22.8299, 13.1351, 95.9398



17.7701, 18.9117, 22.9637



13.7690, 12.4475, 51.1115



1.4500, 1.4307, 5.0130

Inverse Universe

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



50.0699, 28.1983, 37.9265



46.8464, 24.2699, 29.0873



77.0937, 91.2480, 19.1818



18.3966, 18.1419, 20.7056



23.7381, 11.9845, 12.5374



2.3665, 1.1890, 1.5114

Previews

White Background



This preview shows how the XYZ color 33.7797, 35.0361, 99.5900 looks on a white background.

Color Contrast Check

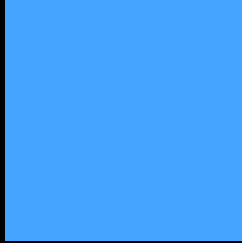
Large Text (above 18pt) WCAG AA × Fail

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 33.7797, 35.0361, 99.5900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

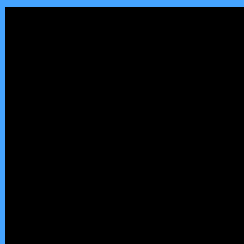
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

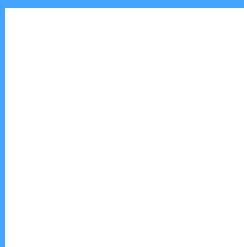
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7797, 35.0361, 99.5900

Background



This preview shows how black text looks on a background with the XYZ color 33.7797, 35.0361, 99.5900.



This preview shows how white text looks on a background with the XYZ color 33.7797, 35.0361,

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

33.7797, 35.0361, 99.5900

Protanopia

37.2892, 34.9142, 93.5807

Deuteranopia

35.9276, 34.8411, 99.4391



Tritanopia

24.8196, 34.7684, 54.1180

Trichromacy



Original Color

33.7797, 35.0361, 99.5900

Protanomaly

35.6364, 34.7646, 96.0988

Deuteranomaly

35.0113, 34.8834, 99.4956

Tritanomaly

27.2910, 34.5668, 68.8520

Monochromacy



Original Color

33.7797, 35.0361, 99.5900

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.7254, 30.1792, 50.8183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7797, 35.0361, 99.5900 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(69, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(69, 164, 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(69, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7797, 35.0361, 99.5900 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(69, 164, 255) }
```


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

```
.border{ border-color:rgb(69, 164, 255) }
```

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

Here you see how a box with a 4 pixel rgb(69, 164, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(69, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7797, 35.0361, 99.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 164, 255) }
```

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

```
.background{ background-color: rgb(69, 164,  
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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