

Converting Colors

XYZ(33.6085, 33.8514, 99.3704)

Have a look what the booklet for
XYZ(33.6085, 33.8514, 99.3704)
contains.

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Color

**XYZ(33.6814, 33.9394,
99.3835)**

Conversions

Conversions Part 1

Format	Color
Hex	4DA0FF
RGB	77, 160, 255
RGB Percent	30%, 63%, 100%
CMY	0.6980, 0.3725, 0.0000
CMYK	0.70, 0.37, 0.00, 0.00
HSL	212°, 100%, 65%
HSV	212°, 70%, 100%
XYZ	33.6814, 33.9394, 99.3835
YIQ	146.0130, -79.9630, 11.9490

Conversions

Conversions Part 2

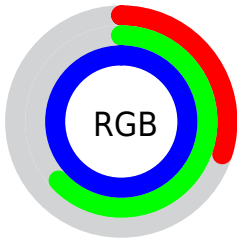
Format	Color
RYB	77, 134, 255
Decimal	5087487
CIELab	64.91, 5.05, -54.50
CIElCh	65, 54.732, 275.299
Yxy	33.9394, 0.2017, 0.2032
Android (android.graphics.Color)	4283277567 (0xFF4DA0FF)
YUV	146.0130, 53.7306, -60.5244
Hunter-Lab	58.2575, 1.2485, -60.3646

Details

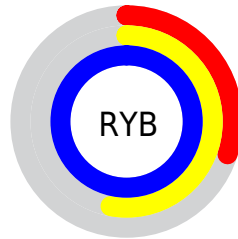
The XYZ color **33.6814, 33.9394, 99.3835** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **57.3345, 51.3050, 13.9044**, and the grayscale version is **27.1391, 28.5524, 31.0936**.

A 20% lighter version of the original color is **53.5982, 61.2424, 103.6038**, and **15.6617, 15.0145, 55.4987** is the 20% darker color. If you saturate the color by 10%, you get **29.7805, 28.6158, 98.5615**, and if you desaturate by 10%, it is **38.6489, 40.1971, 100.3295**.

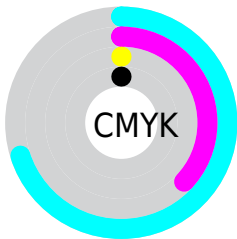
Distribution



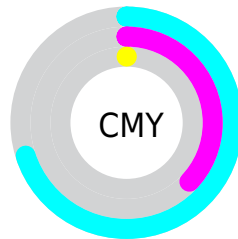
- Red (30%)
- Green (63%)
- Blue (100%)



- Red (30%)
- Yellow (53%)
- Blue (100%)



- Cyan (70%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6814, 33.9394, 99.3835 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 33.6814, 33.9394, 99.3835 by changing the saturation by 10% instead.

■ 33.6814, 33.9394,
99.3835

■ 33.6814, 33.9394,
99.3835

310.3201,
319.8618, 579.4441

■ 22.8107, 22.8470,
75.1718

■ 64.7855, 65.8394,
162.3542

■ 14.5737, 14.4806,
55.2510

■ 85.7496, 87.4159,
201.9502

■ 8.6051, 8.4557,
39.2028

■ 110.8088,
113.2558, 247.5114

■ 4.5396, 4.3879,
26.6085

■ 140.3286,
143.7437, 299.4564

■ 2.0117, 1.8928,
17.0496

174.6743,
179.2638, 358.2036

■ 0.6405, 0.5441,
10.1075

214.2112,

■ 0.0000, 0.0000,

220.2006, 424.1716

5.3638

259.3046,
266.9384, 497.7789

■ 0.0000, 0.0000,
2.3998

■ 0.0000, 0.0000,
0.7863

■ 33.6814, 33.9394,
99.3835

■ 33.6814, 33.9394,
99.3835

■ 29.7805, 28.6158,
98.5615

■ 38.6489, 40.1971,
100.3295

■ 26.8339, 24.1550,
97.8558

■ 44.7713, 47.4451,
101.4059

■ 24.6736, 20.4577,
97.2560

■ 52.1313, 55.7374,
102.6185

■ 24.6347, 20.3893,
97.2449

■ 60.8019, 65.1226,
103.9731

■ 70.8503, 75.6457,
105.4746

■ 82.3389, 87.3488,
107.1280

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.



26.3192, 33.9394, 92.2259



33.6814, 33.9394, 99.3835



41.8539, 33.9394, 85.0308

Triad

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



33.6814, 33.9394, 99.3835



46.3083, 33.9394, 17.0885



20.3347, 33.9394, 21.5958

Complementary

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



33.6814, 33.9394, 99.3835



57.3345, 51.3050, 13.9044

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.



24.2545, 33.9394, 11.6097



33.6814, 33.9394, 99.3835



39.0299, 33.9394, 9.8505

Square

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



33.6814, 33.9394, 99.3835



49.8663, 33.9394, 33.0811



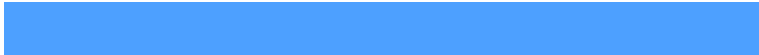
30.8760, 33.9394, 8.3613



19.3763, 33.9394, 41.1185

Rectangle

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



33.6814, 33.9394, 99.3835



46.4242, 33.9394, 67.6570



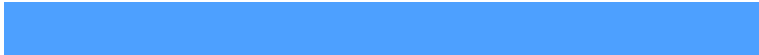
30.8760, 33.9394, 8.3613



21.3143, 33.9394, 17.3120

Sweetspot

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



33.6826, 33.9404, 99.3836



69.5689, 74.3206, 105.2864



46.2621, 76.0745, 51.2445



14.2766, 15.2692, 22.4447



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.



33.6826, 33.9404, 99.3836



28.4334, 26.6411, 98.2514



24.2671, 14.3659, 96.1016



17.7012, 18.7740, 22.9407



13.0183, 10.9462, 50.8613



1.3756, 1.2820, 4.9882

Inverse Universe

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



50.2400, 29.1075, 36.2288



46.8095, 24.7455, 27.3815



76.1908, 92.2081, 20.8056



18.3618, 18.1280, 20.5225



23.3592, 11.8330, 10.5422



2.3290, 1.1740, 1.3138

Previews

White Background



This preview shows how the XYZ color 33.6814, 33.9394, 99.3835 looks on a white background.

Color Contrast Check

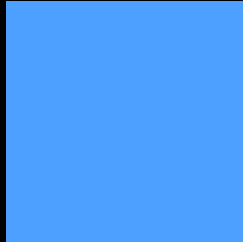
Large Text (above 18pt) WCAG AA × Fail

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 33.6814, 33.9394, 99.3835 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

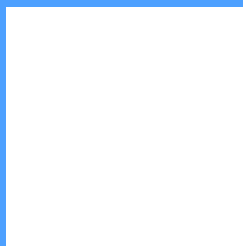
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6814, 33.9394, 99.3835

Background



This preview shows how black text looks on a background with the XYZ color 33.6814, 33.9394, 99.3835.



This preview shows how white text looks on a background with the XYZ color 33.6814, 33.9394,

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

33.6814, 33.9394, 99.3835

Protanopia

36.2358, 33.6151, 94.2011

Deuteranopia

34.9308, 33.8207, 99.2947



Tritanopia

24.3133, 33.9546, 52.8494

Trichromacy



Original Color

33.6814, 33.9394, 99.3835

Protanomaly

35.0100, 33.6850, 95.9234

Deuteranomaly

34.3967, 33.7976, 99.3184

Tritanomaly

26.6988, 33.4527, 67.3372

Monochromacy



Original Color

33.6814, 33.9394, 99.3835

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.8147, 29.7433, 50.7294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6814, 33.9394, 99.3835 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(77, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 160, 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(77, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.6814, 33.9394, 99.3835 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(77, 160, 255) }
```


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

```
.border{ border-color:rgb(77, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6814, 33.9394, 99.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 160, 255) }
```

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

```
.background{ background-color: rgb(77, 160,  
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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