

Converting Colors

XYZ(33.3814, 33.0900, 99.2354)

Have a look what the booklet for
XYZ(33.3814, 33.0900, 99.2354)
contains.

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Color

**XYZ(33.3314, 32.9962,
99.2199)**

Conversions

Conversions Part 1

Format	Color
Hex	4F9DFF
RGB	79, 157, 255
RGB Percent	31%, 62%, 100%
CMY	0.6902, 0.3843, 0.0000
CMYK	0.69, 0.38, 0.00, 0.00
HSL	213°, 100%, 65%
HSV	213°, 69%, 100%
XYZ	33.3314, 32.9962, 99.2199
YIQ	144.8500, -77.9460, 13.9420

Conversions

Conversions Part 2

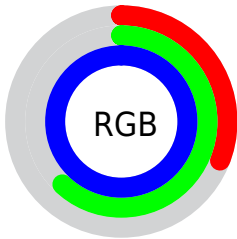
Format	Color
R_{YB}	79, 133, 255
Decimal	5217791
CIE _{Lab}	64.16, 7.09, -55.70
CIE _{LCh}	64, 56.145, 277.251
Yxy	32.9962, 0.2013, 0.1993
Android (android.graphics.Color)	4283407871 (0xFF4F9DFF)
YUV	144.8500, 54.3040, -57.7504
Hunter-Lab	57.4423, 3.0521, -62.2018

Details

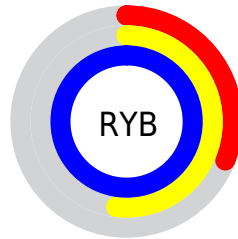
The XYZ color **33.3314, 32.9962, 99.2199** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **58.3757, 53.2726, 14.6051**, and the grayscale version is **26.6638, 28.0524, 30.5491**.

A 20% lighter version of the original color is **53.0213, 59.8283, 103.3612**, and **15.3471, 14.3853, 55.3938** is the 20% darker color. If you saturate the color by 10%, you get **29.3380, 27.5763, 98.3842**, and if you desaturate by 10%, it is **38.4193, 39.3956, 100.1869**.

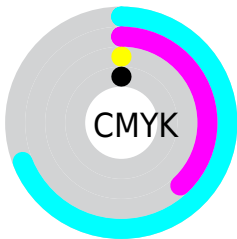
Distribution



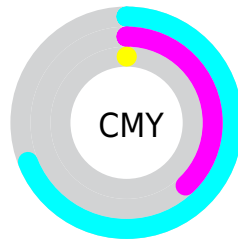
- Red (31%)
- Green (62%)
- Blue (100%)



- Red (31%)
- Yellow (52%)
- Blue (100%)



- Cyan (69%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3314, 32.9962, 99.2199 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 33.3314, 32.9962, 99.2199 by changing the saturation by 10% instead.

■ 33.3314, 32.9962,
99.2199

■ 33.3314, 32.9962,
99.2199

308.7791,
315.6326, 578.9140

■ 22.5409, 22.1235,
75.0360

■ 64.2438, 64.3696,
162.1272

■ 14.3737, 13.9477,
55.1404

■ 85.0964, 85.6391,
201.6877

■ 8.4645, 8.0843,
39.1148

■ 110.0338,
111.1430, 247.2108

■ 4.4479, 4.1489,
26.5405

■ 139.4212,
141.2658, 299.1150

■ 1.9585, 1.7572,
16.9991

173.6241,
176.3917, 357.8189

■ 0.6105, 0.4603,
10.0719

213.0078,

■ 0.0000, 0.0000,

216.9052, 423.7410

5.3404

257.9377,
263.1907, 497.2998

■ 0.0000, 0.0000,
2.3861

■ 0.0000, 0.0000,
0.7789

■ 33.3314, 32.9962,
99.2199

■ 33.3314, 32.9962,
99.2199

■ 29.3380, 27.5763,
98.3842

■ 38.4193, 39.3956,
100.1869

■ 26.3272, 23.0630,
97.6718

■ 44.6905, 46.8325,
101.2919

■ 24.1443, 19.3620,
97.0724

■ 52.2276, 55.3628,
102.5411

■ 23.9557, 19.0313,
97.0186

■ 61.1045, 65.0368,
103.9406

■ 71.3888, 75.9014,
105.4956

■ 83.1435, 88.0002,
107.2113

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.



25.8134, 32.9962, 93.3249



33.3314, 32.9962, 99.2199



41.5565, 32.9962, 83.2666

Triad

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



33.3314, 32.9962, 99.2199



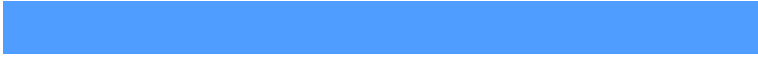
45.1738, 32.9962, 15.4064



19.2697, 32.9962, 21.5158

Complementary

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



33.3314, 32.9962, 99.2199



58.3757, 53.2726, 14.6051

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.



22.9879, 32.9962, 11.1294



33.3314, 32.9962, 99.2199



37.6534, 32.9962, 8.7862

Square

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



33.3314, 32.9962, 99.2199



49.1048, 32.9962, 30.6794



29.4715, 32.9962, 7.6444



18.5087, 32.9962, 41.7418

Rectangle

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



33.3314, 32.9962, 99.2199



46.0581, 32.9962, 65.2010



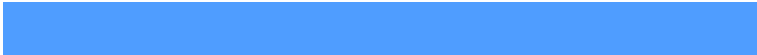
29.4715, 32.9962, 7.6444



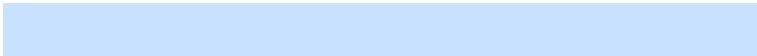
20.1805, 32.9962, 17.0647

Sweetspot

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



33.3326, 32.9972, 99.2200



69.2327, 73.6483, 105.1743



46.8025, 76.3096, 53.2356



14.1970, 15.1100, 22.4182



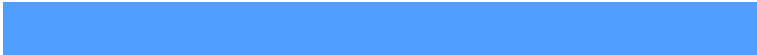
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.3326, 32.9972, 99.2200



28.0272, 25.6735, 98.0860



24.8533, 14.8790, 96.1698



17.6655, 18.7027, 22.9289



12.6607, 10.2309, 50.7421



1.3395, 1.2098, 4.9762

Inverse Universe

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



50.1227, 29.2879, 34.9104



46.6424, 24.8236, 26.0542



75.2481, 91.7138, 21.1357



18.3438, 18.1208, 20.4278



23.1787, 11.7608, 9.5915



2.3108, 1.1667, 1.2178

Previews

White Background



This preview shows how the XYZ color 33.3314, 32.9962, 99.2199 looks on a white background.

Color Contrast Check

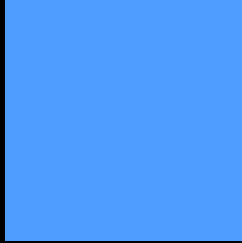
Large Text (above 18pt) WCAG AA × Fail

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 33.3314, 32.9962, 99.2199 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

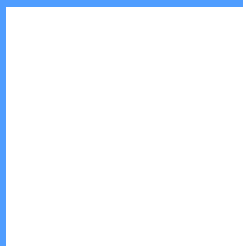
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3314, 32.9962, 99.2199

Background



This preview shows how black text looks on a background with the XYZ color 33.3314, 32.9962, 99.2199.



This preview shows how white text looks on a background with the XYZ color 33.3314, 32.9962,

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

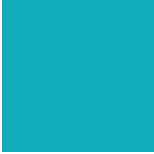
33.3314, 32.9962, 99.2199

Protanopia

35.5244, 32.7483, 94.8912

Deuteranopia

33.9878, 32.8363, 99.1544



Tritanopia

23.7406, 33.1270, 51.0418

Trichromacy



Original Color

33.3314, 32.9962, 99.2199

Protanomaly

34.5554, 32.6943, 96.5848

Deuteranomaly

33.7762, 32.9754, 99.1924

Tritanomaly

26.3266, 32.7417, 65.9050

Monochromacy



Original Color

33.3314, 32.9962, 99.2199

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.3896, 29.0626, 50.0650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3314, 32.9962, 99.2199 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(79, 157, 255)` looks like.

```
.text, #text, p{  
  color:rgb(79, 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(79, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 157, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.3314, 32.9962, 99.2199 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(79, 157, 255) }
```


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

```
.border{ border-color:rgb(79, 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(79, 157, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(79, 157,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3314, 32.9962, 99.2199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 157, 255) }
```

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

```
.background{ background-color: rgb(79, 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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