

Converting Colors

XYZ(33.4745, 36.0421, 99.8003)

Have a look what the booklet for
XYZ(33.4745, 36.0421, 99.8003)
contains.

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Color

**XYZ(33.4179, 35.9291,
99.7814)**

Conversions

Conversions Part 1

Format	Color
Hex	33A8FF
RGB	51, 168, 255
RGB Percent	20%, 66%, 100%
CMY	0.7999, 0.3412, 0.0000
CMYK	0.80, 0.34, 0.00, 0.00
HSL	206°, 100%, 60%
HSV	206°, 80%, 100%
XYZ	33.4179, 35.9291, 99.7814
YIQ	142.9350, -97.6590, 2.2530

Conversions

Conversions Part 2

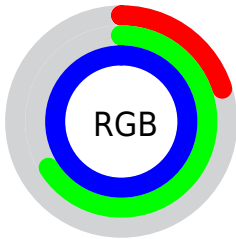
Format	Color
R_{YB}	51, 125, 255
Decimal	3385599
CIE _{Lab}	66.47, -2.56, -52.08
CIE _{LCh}	66, 52.145, 267.189
Yxy	35.9291, 0.1976, 0.2124
Android (android.graphics.Color)	4281575679 (0xFF33A8FF)
YUV	142.9350, 55.2480, -80.6270
Hunter-Lab	59.9409, -5.3803, -56.7393

Details

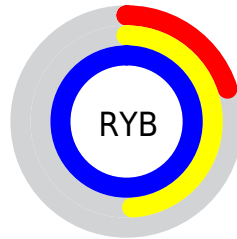
The XYZ color **33.4179, 35.9291, 99.7814** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.9290, 39.6812, 8.1092**, and the grayscale version is **25.8998, 27.2486, 29.6737**.

A 20% lighter version of the original color is **53.3398, 64.5845, 104.2625**, and **16.4384, 16.5680, 55.7576** is the 20% darker color. If you saturate the color by 10%, you get **30.5421, 31.5899, 99.0955**, and if you desaturate by 10%, it is **37.1675, 40.9690, 100.5566**.

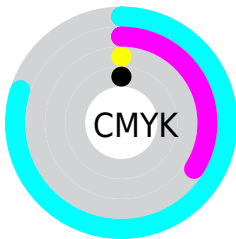
Distribution



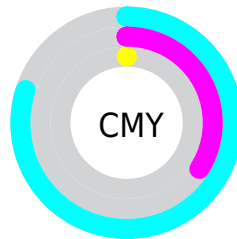
- Red (20%)
- Green (66%)
- Blue (100%)



- Red (20%)
- Yellow (49%)
- Blue (100%)



- Cyan (80%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4179, 35.9291, 99.7814 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 33.4179, 35.9291, 99.7814 by changing the saturation by 10% instead.

■ 33.4179, 35.9291,
99.7814

■ 33.4179, 35.9291,
99.7814

309.1604,
328.6505, 580.7323

■ 22.6075, 24.3794,
75.5021

■ 64.3777, 68.9226,
162.9060

■ 14.4231, 15.6153,
55.5201

■ 85.2579, 91.1353,
202.5884

■ 8.4992, 9.2524,
39.4169

■ 110.2255,
117.6710, 248.2423

■ 4.4705, 4.9062,
26.7739

■ 139.6457,
148.9143, 300.2861

■ 1.9716, 2.1923,
17.1725

173.8839,
185.2495, 359.1385

■ 0.6179, 0.7158,
10.1943

213.3056,

■ 0.0000, 0.0000,

227.0610, 425.2180

5.4207

258.2759,
274.7332, 498.9430

■ 0.0000, 0.0000,
2.4331

■ 0.0000, 0.0000,
0.8044

■ 33.4179, 35.9291,
99.7814

■ 33.4179, 35.9291,
99.7814

■ 30.5421, 31.5899,
99.0955

■ 37.1675, 40.9690,
100.5566

■ 28.3677, 27.8551,
98.4892

■ 41.8917, 46.7660,
101.4266

■ 28.3662, 27.8524,
98.4887

■ 47.6802, 53.3726,
102.3967

■ 54.6104, 60.8340,
103.4716

■ 62.7520, 69.1916,
104.6557

■ 72.1687, 78.4833,
105.9528

■ 82.9196, 88.7446,
107.3668

■ 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.



26.6360, 35.9291, 87.5925



33.4179, 35.9291, 99.7814



41.4874, 35.9291, 91.2545

Triad

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



33.4179, 35.9291, 99.7814



49.3382, 35.9291, 22.5650



23.0115, 35.9291, 20.1256

Complementary

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



33.4179, 35.9291, 99.7814



50.9290, 39.6812, 8.1092

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.



27.7323, 35.9291, 11.9663



33.4179, 35.9291, 99.7814



42.9577, 35.9291, 12.9502

Square

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



33.4179, 35.9291, 99.7814



51.4674, 35.9291, 41.2693



34.8918, 35.9291, 9.9551



21.2306, 35.9291, 37.0479

Rectangle

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



33.4179, 35.9291, 99.7814



46.4040, 35.9291, 76.2668



34.8918, 35.9291, 9.9551



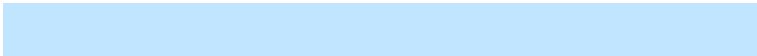
24.2681, 35.9291, 16.5548

Sweetspot

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



33.4192, 35.9302, 99.7816



68.2379, 74.6451, 105.4192



41.5709, 74.0022, 35.3896



13.8956, 15.2743, 22.4658



0.0000, 0.0000, 0.0000



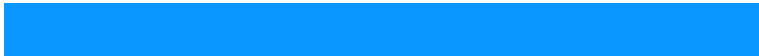
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4192, 35.9302, 99.7816



29.1788, 29.2880, 98.7230



21.4844, 12.0607, 95.8033



17.8680, 19.1076, 22.9963



14.9731, 14.8558, 51.5129



1.5663, 1.6633, 5.0518

Inverse Universe

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



49.4927, 26.4566, 39.5447



46.9036, 23.7026, 31.2078



72.4130, 82.6492, 15.2705



18.4460, 18.1617, 20.9659



24.3459, 12.2277, 15.7381



2.4252, 1.2125, 1.8205

Previews

White Background



This preview shows how the XYZ color 33.4179, 35.9291, 99.7814 looks on a white background.

Color Contrast Check

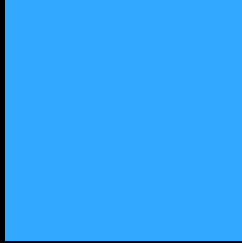
Large Text (above 18pt) WCAG AA × Fail

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 33.4179, 35.9291, 99.7814 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

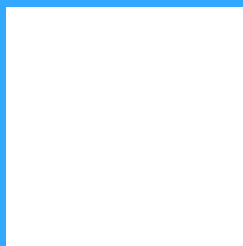
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4179, 35.9291, 99.7814

Background



This preview shows how black text looks on a background with the XYZ color 33.4179, 35.9291, 99.7814.

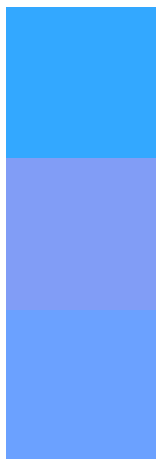


This preview shows how white text looks on a background with the XYZ color 33.4179, 35.9291,

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

33.4179, 35.9291, 99.7814

Protanopia

37.7448, 35.4349, 92.0390

Deuteranopia

36.8583, 35.8355, 99.5821



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



Original Color

33.4179, 35.9291, 99.7814

Protanomaly

35.2106, 35.0960, 94.5409

Deuteranomaly

35.2559, 35.7972, 99.6591

Tritanomaly

27.6704, 35.3168, 69.6484

Monochromacy



Original Color

33.4179, 35.9291, 99.7814

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.3104, 29.2322, 49.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4179, 35.9291, 99.7814 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(51, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 168, 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(51, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 168, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.4179, 35.9291, 99.7814 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(51, 168, 255) }
```


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

```
.border{ border-color:rgb(51, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 168,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4179, 35.9291, 99.7814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 168, 255) }
```

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

```
.background{ background-color: rgb(51, 168,  
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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