

Converting Colors

XYZ(33.4322, 36.7824, 94.1828)

Have a look what the booklet for
XYZ(33.4322, 36.7824, 94.1828)
contains.

XYZ(33.4928, 36.9273, 94.1694)	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(33.4928, 36.9273,
94.1694)**

Conversions

Conversions Part 1

Format	Color
Hex	3EABF8
RGB	62, 171, 248
RGB Percent	24%, 67%, 97%
CMY	0.7568, 0.3294, 0.0274
CMYK	0.75, 0.31, 0.00, 0.03
HSL	205°, 93%, 61%
HSV	205°, 75%, 97%
XYZ	33.4928, 36.9273, 94.1694
YIQ	147.1870, -89.6810, 0.8390

Conversions

Conversions Part 2

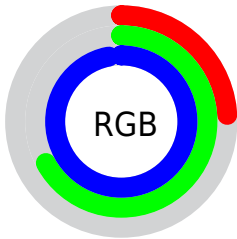
Format	Color
RYB	62, 131, 248
Decimal	4107256
CIELab	67.22, -5.56, -47.06
CIELCh	67, 47.392, 263.268
Yxy	36.9273, 0.2035, 0.2244
Android (android.graphics.Color)	4282297336 (0xFF3EABF8)
YUV	147.1870, 49.7008, -74.7090
Hunter-Lab	60.7678, -7.9617, -49.3418

Details

The XYZ color **33.4928, 36.9273, 94.1694** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **48.8161, 38.7735, 9.4705**, and the grayscale version is **27.6401, 29.0795, 31.6676**.

A 20% lighter version of the original color is **54.9192, 66.5993, 104.5681**, and **16.0008, 16.9552, 51.7196** is the 20% darker color. If you saturate the color by 10%, you get **30.4126, 32.5718, 93.4918**, and if you desaturate by 10%, it is **37.4352, 41.9520, 94.9323**.

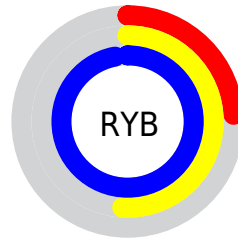
Distribution



Red (24%)

Green (67%)

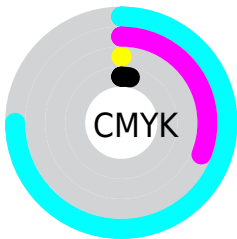
Blue (97%)



Red (24%)

Yellow (51%)

Blue (97%)

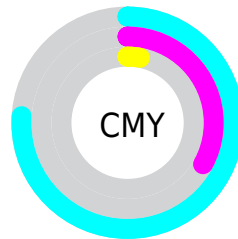


Cyan (75%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (76%)

Magenta (33%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4928, 36.9273, 94.1694 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 33.4928, 36.9273, 94.1694 by changing the saturation by 10% instead.

■ 33.4928, 36.9273,
94.1694

■ 33.4928, 36.9273,
94.1694

309.4904,
332.9957, 562.4187

■ 22.6653, 25.1512,
70.8508

■ 64.4937, 70.4610,
155.1023

■ 14.4659, 16.1897,
51.7394

■ 85.3978, 92.9873,
193.5537

■ 8.5293, 9.6585,
36.4166

■ 110.3914,
119.8659, 237.8863

■ 4.4901, 5.1731,
24.4638

■ 139.8399,
151.4810, 288.5189

■ 1.9829, 2.3492,
15.4627

174.1088,
188.2172, 345.8699

■ 0.6244, 0.7996,
8.9945

213.5632,

■ 0.0000, 0.0000,

230.4588, 410.3578

4.6408

258.5686,
278.5901, 482.4013

■ 0.0000, 0.0000,
1.9831

■ 0.0000, 0.0000,
0.5449

■ 33.4928, 36.9273,
94.1694

■ 33.4928, 36.9273,
94.1694

■ 30.4126, 32.5718,
93.4918

■ 37.4352, 41.9520,
94.9323

■ 28.0820, 28.8207,
92.8906

■ 42.3245, 47.6929,
95.7827

■ 27.1191, 27.1286,
92.6148

■ 48.2387, 54.1954,
96.7261

■ 55.2458, 61.4992,
97.7665

■ 63.4078, 69.6407,
98.9078

■ 72.7816, 78.6536,
100.1534

■ 83.4202, 88.5694,
101.5067

■ 93.3530, 98.3765,
102.8761

■ 93.9434, 99.5574,
103.0729

Harmonies

Analogous

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



27.4187, 36.9273, 81.3347



33.4928, 36.9273, 94.1694



40.8854, 36.9273, 89.0352

Triad

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



33.4928, 36.9273, 94.1694



49.4915, 36.9273, 26.4334



25.0882, 36.9273, 20.7773

Complementary

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



33.4928, 36.9273, 94.1694



48.8161, 38.7735, 9.4705

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.



29.8847, 36.9273, 13.5900



33.4928, 36.9273, 94.1694



44.0926, 36.9273, 15.9842

Square

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



33.4928, 36.9273, 94.1694



50.8052, 36.9273, 45.0606



36.7543, 36.9273, 12.2011



23.0166, 36.9273, 35.7161

Rectangle

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



33.4928, 36.9273, 94.1694



45.5225, 36.9273, 76.7529



36.7543, 36.9273, 12.2011



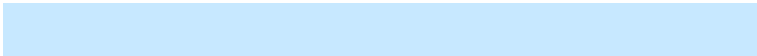
26.4008, 36.9273, 17.6155

Sweetspot

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



33.4942, 36.9285, 94.1703



70.3698, 76.9348, 105.7488



40.0282, 69.9492, 34.8369



14.5076, 15.9277, 22.5597



0.0000, 0.0000, 0.0000



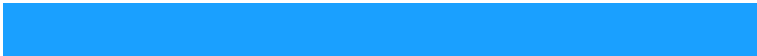
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4942, 36.9285, 94.1703



31.0318, 32.5701, 99.2588



21.8446, 13.6294, 90.2871



17.1283, 18.3334, 22.0212



14.7913, 14.9381, 50.0773



1.4744, 1.5926, 4.6729

Inverse Universe

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



47.7860, 26.3437, 41.0953



47.9424, 24.5144, 35.4565



67.7124, 76.5661, 15.7693



17.6713, 17.3959, 20.1248



23.7580, 11.9189, 15.9658



2.2532, 1.1250, 1.7565

Previews

White Background



This preview shows how the XYZ color 33.4928, 36.9273, 94.1694 looks on a white background.

Color Contrast Check

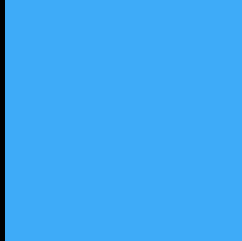
Large Text (above 18pt) WCAG AA × Fail

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 33.4928, 36.9273, 94.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

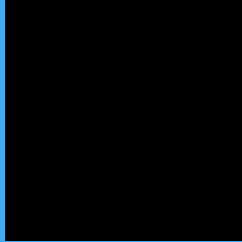
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

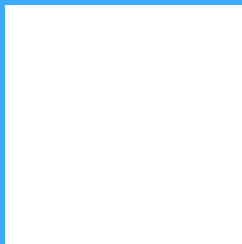
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4928, 36.9273, 94.1694

Background



This preview shows how black text looks on a background with the XYZ color 33.4928, 36.9273, 94.1694.

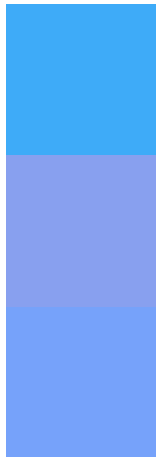


This preview shows how white text looks on a background with the XYZ color 33.4928, 36.9273,

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

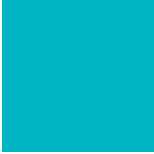
33.4928, 36.9273, 94.1694

Protanopia

38.3041, 36.6078, 86.7085

Deuteranopia

37.6469, 36.5943, 95.5217



Tritanopia

26.3742, 36.9879, 57.3791

Trichromacy



Original Color

33.4928, 36.9273, 94.1694

Protanomaly

35.6091, 36.2129, 89.1174

Deuteranomaly

35.5910, 36.3465, 94.7623

Tritanomaly

28.2131, 36.4815, 69.1730

Monochromacy



Original Color

33.4928, 36.9273, 94.1694

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.7427, 30.9506, 49.8593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4928, 36.9273, 94.1694 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(62, 171, 248)` looks like.

```
.text, #text, p{  
    color:rgb(62, 171, 248)  
}
```

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(62, 171, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 171, 248) }
```

Border

The CSS property to change the border of an element to XYZ 33.4928, 36.9273, 94.1694 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(62, 171, 248) }
```


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

```
.border{ border-color:rgb(62, 171, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 171, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 171, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 171, 248);  
box-shadow:4px 4px 4px 4px rgb(62, 171,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4928, 36.9273, 94.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 171, 248) }
```

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

```
.background{ background-color: rgb(62, 171,  
248) }
```

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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