

Converting Colors

XYZ(33.5652, 37.6705, 93.0938)

Have a look what the booklet for
XYZ(33.5652, 37.6705, 93.0938)
contains.

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Color

**XYZ(33.5956, 37.5632,
93.4754)**

Conversions

Conversions Part 1

Format	Color
Hex	3CADF7
RGB	60, 173, 247
RGB Percent	24%, 68%, 97%
CMY	0.7646, 0.3216, 0.0314
CMYK	0.76, 0.30, 0.00, 0.03
HSL	204°, 92%, 60%
HSV	204°, 76%, 97%
XYZ	33.5956, 37.5632, 93.4754
YIQ	147.6490, -91.1020, -0.9420

Conversions

Conversions Part 2

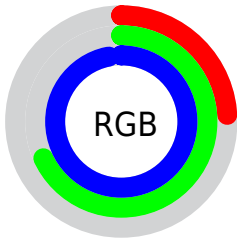
Format	Color
R _{YB}	60, 130, 247
Decimal	3976695
CIE _{Lab}	67.70, -7.24, -45.78
CIE _{LCh}	68, 46.346, 261.011
Y _{xy}	37.5632, 0.2041, 0.2282
Android (android.graphics.Color)	4282166775 (0xFF3CADF7)
YUV	147.6490, 48.9800, -76.8682
Hunter-Lab	61.2888, -9.4103, -47.5247

Details

The XYZ color **33.5956, 37.5632, 93.4754** 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 **47.7013, 37.1550, 8.9346**, and the grayscale version is **27.8345, 29.2841, 31.8904**.

A 20% lighter version of the original color is **55.1535, 67.5321, 104.7358**, and **16.1316, 17.3924, 51.2220** is the 20% darker color. If you saturate the color by 10%, you get **30.6300, 33.3533, 92.8199**, and if you desaturate by 10%, it is **37.3967, 42.4085, 94.2111**.

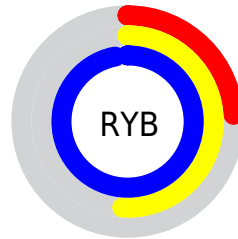
Distribution



Red (24%)

Green (68%)

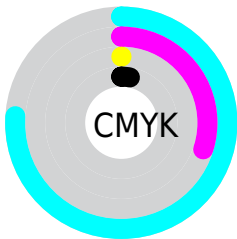
Blue (97%)



Red (24%)

Yellow (51%)

Blue (97%)

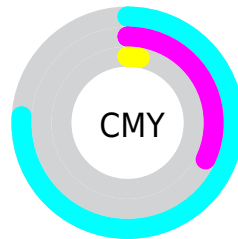


Cyan (76%)

Magenta (30%)

Yellow (0%)

Black (3%)



Cyan (76%)

Magenta (32%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5956, 37.5632, 93.4754 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 33.5956, 37.5632, 93.4754 by changing the saturation by 10% instead.

■ 33.5956, 37.5632,
93.4754

■ 33.5956, 37.5632,
93.4754

309.9428,
335.7425, 560.1317

■ 22.7445, 25.6439,
70.2768

■ 64.6528, 71.4381,
154.1340

■ 14.5246, 16.5574,
51.2741

■ 85.5896, 94.1625,
192.4312

■ 8.5706, 9.9194,
36.0485

■ 110.6190,
121.2574, 236.5982

■ 4.5170, 5.3456,
24.1817

■ 140.1064,
153.1071, 287.0538

■ 1.9986, 2.4514,
15.2550

174.4171,
190.0961, 344.2164

■ 0.6332, 0.8522,
8.8499

213.9165,

■ 0.0000, 0.0000,

232.6087, 408.5046

4.5480

258.9700,
281.0294, 480.3368

■ 0.0000, 0.0000,
1.9305

■ 0.0000, 0.0000,
0.5120

■ 33.5956, 37.5632,
93.4754

■ 33.5956, 37.5632,
93.4754

■ 30.6300, 33.3533,
92.8199

■ 37.3967, 42.4085,
94.2111

■ 28.3869, 29.7147,
92.2358

■ 42.1177, 47.9352,
95.0290

■ 27.5758, 28.2898,
92.0035

■ 47.8360, 54.1880,
95.9345

■ 54.6192, 61.2055,
96.9315

■ 62.5287, 69.0233,
98.0237

■ 71.6206, 77.6742,
99.2142

■ 81.9474, 87.1887,
100.5064

■ 92.5890, 97.0961,
101.8579

■ 93.7886, 99.4955,
102.2578

Harmonies

Analogous

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



27.7263, 37.5632, 79.8116



33.5956, 37.5632, 93.4754



40.8669, 37.5632, 89.8181

Triad

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



33.5956, 37.5632, 93.4754



50.1496, 37.5632, 28.3355



26.0401, 37.5632, 20.7787

Complementary

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



33.5956, 37.5632, 93.4754



47.7013, 37.1550, 8.9346

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.



30.9930, 37.5632, 14.0400



33.5956, 37.5632, 93.4754



45.0786, 37.5632, 17.2803

Square

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



33.5956, 37.5632, 93.4754



51.0909, 37.5632, 47.3714



37.8961, 37.5632, 13.0186



23.7635, 37.5632, 35.0464

Rectangle

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



33.5956, 37.5632, 93.4754



45.5144, 37.5632, 78.4244



37.8961, 37.5632, 13.0186



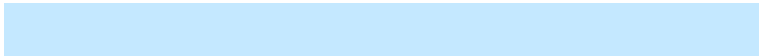
27.4133, 37.5632, 17.7883

Sweetspot

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



33.5970, 37.5645, 93.4764



69.7035, 76.5975, 105.7188



39.2694, 69.1408, 32.9957



14.2038, 15.7038, 22.5325



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.



33.5970, 37.5645, 93.4764



31.5290, 33.6552, 99.4421



21.6576, 13.6857, 89.4966



16.4143, 17.5929, 21.0732



14.7263, 15.2464, 48.7047



1.3944, 1.5402, 4.3140

Inverse Universe

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



47.5178, 26.0249, 42.0549



48.1712, 24.5211, 36.9228



66.1496, 74.0518, 15.0841



16.9197, 16.6507, 19.3237



23.2377, 11.6385, 16.4919



2.0929, 1.0431, 1.7156

Previews

White Background



This preview shows how the XYZ color 33.5956, 37.5632, 93.4754 looks on a white background.

Color Contrast Check

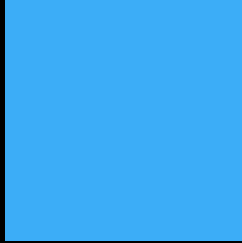
Large Text (above 18pt) WCAG AA × Fail

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 33.5956, 37.5632, 93.4754 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

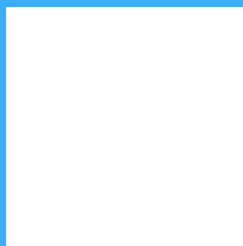
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5956, 37.5632, 93.4754

Background



This preview shows how black text looks on a background with the XYZ color 33.5956, 37.5632, 93.4754.

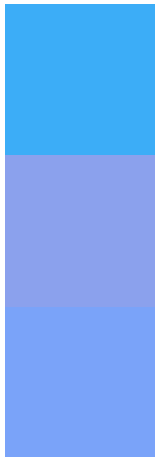


This preview shows how white text looks on a background with the XYZ color 33.5956, 37.5632,

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

33.5956, 37.5632, 93.4754

Protanopia

38.6784, 37.0931, 85.2419

Deuteranopia

38.2221, 37.1715, 94.7828



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

33.5956, 37.5632, 93.4754

Protanomaly

35.7627, 36.5761, 88.3941

Deuteranomaly

35.9076, 37.0674, 94.0691

Tritanomaly

28.7167, 37.3171, 69.9794

Monochromacy



Original Color

33.5956, 37.5632, 93.4754

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.9112, 31.2876, 49.9154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5956, 37.5632, 93.4754 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(60, 173, 247)` looks like.

```
.text, #text, p{  
    color:rgb(60, 173, 247)  
}
```

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(60, 173, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 173, 247) }
```

Border

The CSS property to change the border of an element to XYZ 33.5956, 37.5632, 93.4754 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(60, 173, 247) }
```


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

```
.border{ border-color:rgb(60, 173, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 173, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 173, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 173, 247);  
box-shadow:4px 4px 4px 4px rgb(60, 173,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5956, 37.5632, 93.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 173, 247) }
```

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

```
.background{ background-color: rgb(60, 173,  
247) }
```

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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