

# Converting Colors

XYZ(33.6393, 37.6208, 93.7677)

Have a look what the booklet for  
XYZ(33.6393, 37.6208, 93.7677)  
contains.

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# Color

**XYZ(33.5357, 37.5323,  
93.4726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BADF7
RGB	59, 173, 247
RGB Percent	23%, 68%, 97%
CMY	0.7686, 0.3216, 0.0314
CMYK	0.76, 0.30, 0.00, 0.03
HSL	204°, 92%, 60%
HSV	204°, 76%, 97%
XYZ	33.5357, 37.5323, 93.4726
YIQ	147.3500, -91.6980, -1.1540

# Conversions

## Conversions Part 2

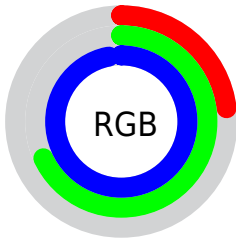
Format	Color
<a href="#">RYB</a>	59, 130, 247
Decimal	3911159
CIELab	67.67, -7.35, -45.81
CIELCh	68, 46.401, 260.882
Yxy	37.5323, 0.2038, 0.2281
Android (android.graphics.Color)	4282101239 (0xFF3BADF7)
YUV	147.3500, 49.1275, -77.4829
Hunter-Lab	61.2636, -9.5004, -47.5768

# Details

The XYZ color **33.5357, 37.5323, 93.4726** 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 **47.5374, 36.8693, 8.7507**, and the grayscale version is **27.7104, 29.1535, 31.7481**.

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 **30.6055, 33.3544, 92.8214**, and if you desaturate by 10%, it is **37.2961, 42.3407, 94.2033**.

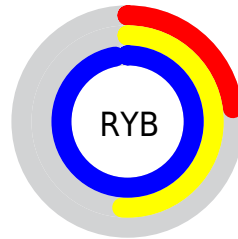
# Distribution



Red (23%)

Green (68%)

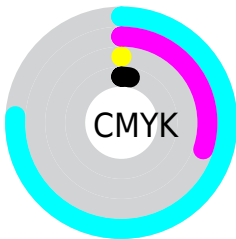
Blue (97%)



Red (23%)

Yellow (51%)

Blue (97%)

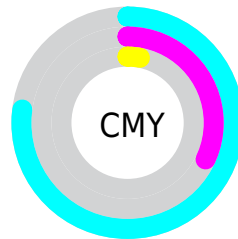


Cyan (76%)

Magenta (30%)

Yellow (0%)

Black (3%)



Cyan (77%)

Magenta (32%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5357, 37.5323, 93.4726 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 33.5357, 37.5323, 93.4726 by changing the saturation by 10% instead.





 33.5357, 37.5323,  
93.4726

 33.5357, 37.5323,  
93.4726

309.6792,  
335.6094, 560.1225


 22.6983, 25.6199,  
70.2745


 64.5601, 71.3907,  
154.1301


 14.4904, 16.5395,  
51.2722


 85.4778, 94.1055,  
192.4266

 8.5465, 9.9067,  
36.0470


 110.4864,  
121.1899, 236.5930

 4.5013, 5.3372,  
24.1805

 139.9512,  
153.0282, 287.0479

 1.9895, 2.4464,  
15.2542

174.2375,  
190.0050, 344.2097

 0.6280, 0.8496,  
8.8494

213.7107,

 0.0000, 0.0000,

232.5045, 408.4971

4.5476

258.7362,  
280.9112, 480.3285

■ 0.0000, 0.0000,  
1.9303

■ 0.0000, 0.0000,  
0.5119

■ 33.5357, 37.5323,  
93.4726

■ 33.5357, 37.5323,  
93.4726

■ 30.6055, 33.3544,  
92.8214

■ 37.2961, 42.3407,  
94.2033

■ 28.3914, 29.7423,  
92.2409

■ 41.9718, 47.8259,  
95.0156

■ 27.6585, 28.4551,  
92.0311

■ 47.6404, 54.0327,  
95.9149

■ 54.3699, 60.9998,  
96.9050

■ 62.2217, 68.7627,  
97.9895

■ 71.2522, 77.3542,  
99.1719

■ 81.5140, 86.8050,  
100.4552

■ 92.4590, 96.8361,  
101.8146

■ 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.



27.6726, 37.5323, 79.7286



33.5357, 37.5323, 93.4726



40.8096, 37.5323, 89.8880

# Triad

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



33.5357, 37.5323, 93.4726



50.1456, 37.5323, 28.3607



26.0219, 37.5323, 20.6950

# Complementary

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



33.5357, 37.5323, 93.4726



47.5374, 36.8693, 8.7507

# 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.



30.9872, 37.5323, 13.9868



33.5357, 37.5323, 93.4726



45.0842, 37.5323, 17.2723

# Square

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



33.5357, 37.5323, 93.4726



51.0678, 37.5323, 47.4387



37.8999, 37.5323, 12.9880



23.7326, 37.5323, 34.9308



# Rectangle

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



33.5357, 37.5323, 93.4726



45.4649, 37.5323, 78.5161



37.8999, 37.5323, 12.9880



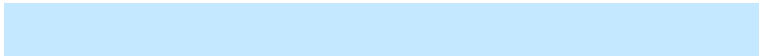
27.3993, 37.5323, 17.7156

# Sweetspot

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



33.5371, 37.5336, 93.4736



69.7382, 76.6669, 105.7303



39.1675, 69.0931, 32.7719



14.2122, 15.7206, 22.5353



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.



33.5371, 37.5336, 93.4736



31.6160, 33.8293, 99.4711



21.5317, 13.5227, 89.4717



16.4173, 17.5989, 21.0742



14.7699, 15.3336, 48.7192



1.3981, 1.5476, 4.3153



# Inverse Universe

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



47.4659, 25.9210, 42.0376



48.2151, 24.5387, 37.1542



66.0919, 73.9781, 14.9355



16.9212, 16.6513, 19.3317



23.2597, 11.6473, 16.6077

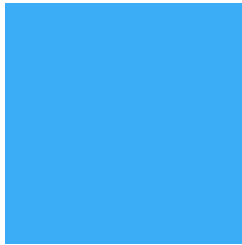


2.0948, 1.0439, 1.7254



# Previews

## White Background



This preview shows how the XYZ color 33.5357, 37.5323, 93.4726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

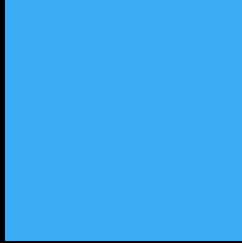
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5357, 37.5323, 93.4726 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

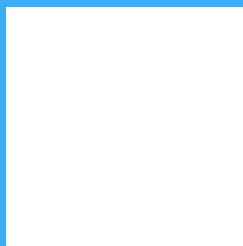
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.5357, 37.5323, 93.4726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.5357, 37.5323, 93.4726.



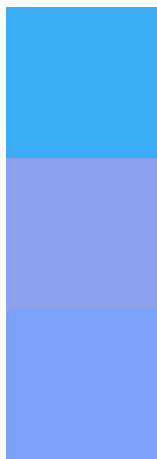
This preview shows how white text looks on a background with the XYZ color 33.5357, 37.5323,



# 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

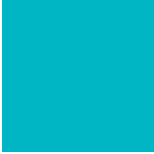
33.5357, 37.5323, 93.4726

### Protanopia

38.6784, 37.0931, 85.2419

### Deuteranopia

38.2221, 37.1715, 94.7828



## **Tritanopia**

26.6918, 37.4414, 58.0447

# Trichromacy



## Original Color

33.5357, 37.5323, 93.4726

## Protanomaly

35.7627, 36.5761, 88.3941

## Deuteranomaly

35.9076, 37.0674, 94.0691

## Tritanomaly

28.6951, 37.3059, 69.9784

# Monochromacy



## Original Color

33.5357, 37.5323, 93.4726

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

27.5059, 30.8407, 49.3029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5357, 37.5323, 93.4726 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(59, 173, 247)` looks like.

```
.text, #text, p{  
    color:rgb(59, 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(59, 173, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 173, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5357, 37.5323, 93.4726 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(59, 173, 247) }
```



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

```
.border{ border-color:rgb(59, 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(59, 173, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 173, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 173, 247);  
box-shadow:4px 4px 4px 4px rgb(59, 173,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5357, 37.5323, 93.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 173, 247) }
```

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

```
.background{ background-color: rgb(59, 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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