

# Converting Colors

XYZ(33.1454, 37.5052, 81.2312)

Have a look what the booklet for  
XYZ(33.1454, 37.5052, 81.2312)  
contains.

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# Color

**XYZ(33.2051, 37.6351,  
81.1155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56ADE7
RGB	86, 173, 231
RGB Percent	34%, 68%, 91%
CMY	0.6627, 0.3216, 0.0941
CMYK	0.63, 0.25, 0.00, 0.09
HSL	204°, 75%, 62%
HSV	204°, 63%, 91%
XYZ	33.2051, 37.6351, 81.1155
YIQ	153.5990, -70.4700, -0.4060

# Conversions

## Conversions Part 2

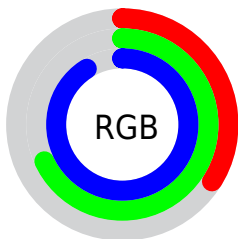
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	86, 140, 231
Decimal	5680615
CIE Lab	67.75, -8.85, -36.91
CIE LCh	68, 37.953, 256.521
Yxy	37.6351, 0.2185, 0.2477
Android (android.graphics.Color)	4283870695 (0xFF56ADE7)
YUV	153.5990, 38.1587, -59.2843
Hunter-Lab	61.3475, -10.7426, -35.4519

# Details

The XYZ color **33.2051, 37.6351, 81.1155** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **44.6095, 37.6095, 13.7139**, and the grayscale version is **30.4015, 31.9847, 34.8314**.

A 20% lighter version of the original color is **57.8260, 68.9098, 104.8609**, and **14.5752, 16.7699, 43.0262** is the 20% darker color. If you saturate the color by 10%, you get **29.7009, 33.2892, 80.4621**, and if you desaturate by 10%, it is **37.5216, 42.5830, 81.8438**.

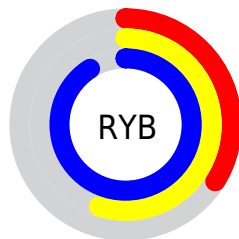
# Distribution



Red (34%)

Green (68%)

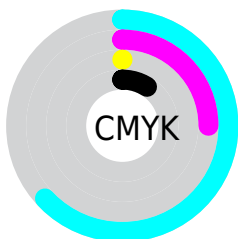
Blue (91%)



Red (34%)

Yellow (55%)

Blue (91%)

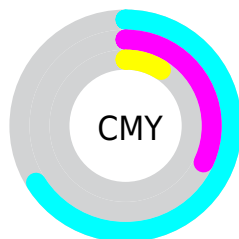


Cyan (63%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (66%)

Magenta (32%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2051, 37.6351, 81.1155 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 33.2051, 37.6351, 81.1155 by changing the saturation by 10% instead.



■ 33.2051, 37.6351,  
81.1155

■ 33.2051, 37.6351,  
81.1155

308.2216,  
336.0520, 518.4898

■ 22.4436, 25.6996,  
60.1052

■ 64.0481, 71.5485,  
136.7585

■ 14.3016, 16.5990,  
43.0776

■ 84.8604, 94.2952,  
172.2282

■ 8.4139, 9.9490,  
29.6141

■ 109.7536,  
121.4144, 213.3548

■ 4.4149, 5.3652,  
19.2963

■ 139.0932,  
153.2905, 260.5568

■ 1.9394, 2.4631,  
11.7056

173.2444,  
190.3079, 314.2528

■ 0.5996, 0.8581,  
6.4235

212.5726,

■ 0.0000, 0.0000,

232.8511, 374.8612

3.0313

257.4432,  
281.3043, 442.8007

■ 0.0000, 0.0000,  
1.1106

■ 0.0000, 0.0000,  
0.0000

■ 33.2051, 37.6351,  
81.1155

■ 33.2051, 37.6351,  
81.1155

■ 29.7009, 33.2892,  
80.4621

■ 37.5216, 42.5830,  
81.8438

■ 26.9335, 29.5007,  
79.8767

■ 42.7085, 48.1644,  
82.6477

■ 24.8184, 26.2231,  
79.3555

■ 48.8228, 54.4129,  
83.5315

■ 23.5986, 24.1188,  
79.0137

■ 55.9153, 61.3580,  
84.4983

■ 64.0328, 69.0269,  
85.5507

■ 73.2189, 77.4455,  
86.6915

■ 83.5146, 86.6380,  
87.9231

■ 88.9016, 93.5048,  
88.9647

■ 91.4239, 98.5496,  
89.8055

# Harmonies

## Analogous

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



28.5558, 37.6351, 69.1803



33.2051, 37.6351, 81.1155



39.0762, 37.6351, 80.4178

# Triad

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



33.2051, 37.6351, 81.1155



47.7145, 37.6351, 32.4596



28.1930, 37.6351, 22.5234

# Complementary

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



33.2051, 37.6351, 81.1155



44.6095, 37.6095, 13.7139

# 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.



32.6577, 37.6351, 17.1507



33.2051, 37.6351, 81.1155



44.1095, 37.6351, 21.7195

# Square

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



33.2051, 37.6351, 81.1155



47.9025, 37.6351, 48.9808



38.4659, 37.6351, 16.9035



25.8830, 37.6351, 33.8985



# Rectangle

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



33.2051, 37.6351, 81.1155



42.9141, 37.6351, 72.8165



38.4659, 37.6351, 16.9035



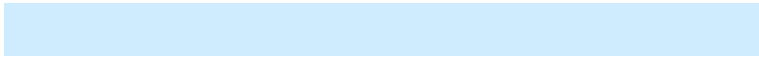
29.4681, 37.6351, 20.1099

# Sweetspot

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



33.2064, 37.6364, 81.1164



73.5426, 80.1928, 106.2104



37.4491, 61.1449, 36.2159



15.1382, 16.5896, 22.6542



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.



33.2064, 37.6364, 81.1164



36.1679, 40.3411, 100.4881



22.8683, 16.9603, 77.6704



14.2985, 15.3183, 18.3475



13.3542, 13.7704, 44.3373



1.0771, 1.1982, 3.3065



# Inverse Universe

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



43.8268, 26.6631, 42.3729



51.1454, 28.1331, 45.1169



59.3199, 67.0303, 18.6173



14.7382, 14.5125, 16.8219



21.1341, 10.5878, 14.8669



1.6073, 0.8006, 1.3386



# Previews

## White Background



This preview shows how the XYZ color 33.2051, 37.6351, 81.1155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

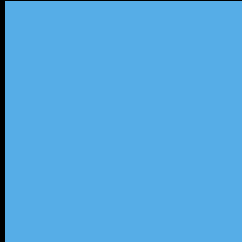
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.2051, 37.6351, 81.1155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

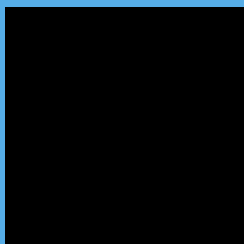
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

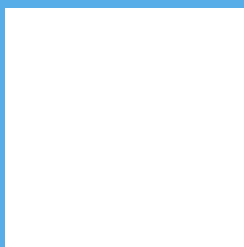
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 33.2051, 37.6351, 81.1155

## Background



This preview shows how black text looks on a background with the XYZ color 33.2051, 37.6351, 81.1155.



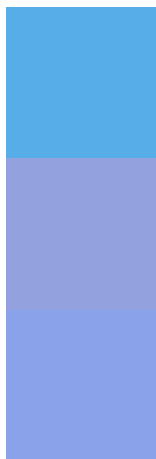
This preview shows how white text looks on a background with the XYZ color 33.2051, 37.6351,



# 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

33.2051, 37.6351, 81.1155

### Protanopia

38.1378, 37.3176, 74.3002

### Deuteranopia

38.1095, 37.1271, 82.2485



## Tritanopia

28.4428, 37.7665, 56.8295

# Trichromacy



**Original Color**

33.2051, 37.6351, 81.1155

**Protanomaly**

35.6843, 37.0687, 76.5084

**Deuteranomaly**

35.8095, 37.0206, 81.6023

**Tritanomaly**

29.8863, 37.4451, 64.6839

# Monochromacy



**Original Color**

33.2051, 37.6351, 81.1155

**Achromatopsia**

30.7148, 32.3143, 35.1903

**Achromatomaly**

30.2416, 33.5343, 49.1348

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.2051, 37.6351, 81.1155 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(86, 173, 231)` looks like.

```
.text, #text, p{  
    color:rgb(86, 173, 231)  
}
```

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(86, 173, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 173, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 33.2051, 37.6351, 81.1155 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(86, 173, 231) }
```



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

```
.border{ border-color:rgb(86, 173, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 173, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 173, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 173, 231);  
box-shadow:4px 4px 4px 4px rgb(86, 173,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.2051, 37.6351, 81.1155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 173, 231) }
```

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

```
.background{ background-color: rgb(86, 173,  
231) }
```

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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