

Converting Colors

XYZ(33.4055, 37.6964, 96.7846)

Have a look what the booklet for
XYZ(33.4055, 37.6964, 96.7846)
contains.

XYZ(33.3853, 37.6685, 96.7779)	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(33.3853, 37.6685,
96.7779)**

Conversions

Conversions Part 1

Format	Color
Hex	27AEFB
RGB	39, 174, 251
RGB Percent	15%, 68%, 98%
CMY	0.8470, 0.3176, 0.0157
CMYK	0.84, 0.31, 0.00, 0.02
HSL	202°, 96%, 57%
HSV	202°, 84%, 98%
XYZ	33.3853, 37.6685, 96.7779
YIQ	142.4130, -105.1770, -4.6730

Conversions

Conversions Part 2

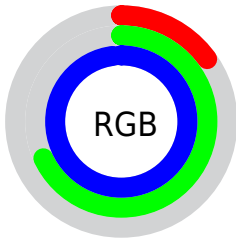
Format	Color
R _Y B	39, 121, 251
Decimal	2600699
CIE Lab	67.78, -8.32, -47.85
CIE LCh	68, 48.572, 260.140
Yxy	37.6685, 0.1989, 0.2244
Android (android.graphics.Color)	4280790779 (0xFF27AEFB)
YUV	142.4130, 53.5334, -90.6932
Hunter-Lab	61.3747, -10.3090, -50.5284

Details

The XYZ color **33.3853, 37.6685, 96.7779** 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 **46.3984, 33.1518, 5.8749**, and the grayscale version is **25.7021, 27.0406, 29.4473**.

A 20% lighter version of the original color is **53.9545, 67.3236, 104.7588**, and **16.6971, 17.8141, 53.5974** is the 20% darker color. If you saturate the color by 10%, you get **31.0270, 33.9265, 96.1807**, and if you desaturate by 10%, it is **36.4932, 41.9754, 97.4462**.

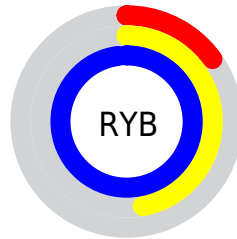
Distribution



Red (15%)

Green (68%)

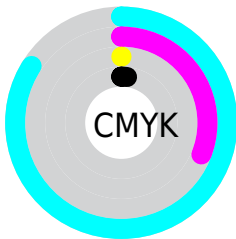
Blue (98%)



Red (15%)

Yellow (47%)

Blue (98%)

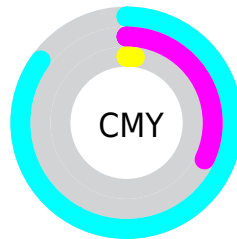


Cyan (84%)

Magenta (31%)

Yellow (0%)

Black (2%)



Cyan (85%)

Magenta (32%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3853, 37.6685, 96.7779 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 33.3853, 37.6685, 96.7779 by changing the saturation by 10% instead.

■ 33.3853, 37.6685,
96.7779

■ 33.3853, 37.6685,
96.7779

309.0167,
336.1958, 570.9703

■ 22.5824, 25.7255,
73.0106

■ 64.3273, 71.5998,
158.7352

■ 14.4045, 16.6184,
53.4927

■ 85.1971, 94.3568,
197.7623

■ 8.4861, 9.9628,
37.8058

■ 110.1532,
121.4873, 242.7130

■ 4.4619, 5.3743,
25.5314

■ 139.5611,
153.3757, 294.0059

■ 1.9666, 2.4685,
16.2508

■ 173.7860,
190.4063, 352.0595

■ 0.6151, 0.8608,
9.5455

213.1934,

■ 0.0000, 0.0000,

232.9636, 417.2925

4.9970

258.1485,
281.4320, 490.1232

■ 0.0000, 0.0000,
2.1868

■ 0.0000, 0.0000,
0.6667

■ 33.3853, 37.6685,
96.7779

■ 33.3853, 37.6685,
96.7779

■ 31.0270, 33.9265,
96.1807

■ 36.4932, 41.9754,
97.4462

■ 29.9536, 32.0469,
95.8745

■ 40.4556, 46.9033,
98.1885

■ 45.3635, 52.5027,
99.0107

■ 51.2941, 58.8168,
99.9168

■ 58.3161, 65.8841,
100.9109

■ 66.4919, 73.7399,
101.9963

■ 75.8790, 82.4166,
103.1763

■ 86.5306, 91.9447,
104.4540

■ 94.4127, 99.7451,
105.5442

Harmonies

Analogous

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



27.3184, 37.6685, 81.6800



33.3853, 37.6685, 96.7779



41.0113, 37.6685, 93.4166

Triad

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



33.3853, 37.6685, 96.7779



51.1520, 37.6685, 28.3538



25.8183, 37.6685, 19.8005

Complementary

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



33.3853, 37.6685, 96.7779



46.3984, 33.1518, 5.8749

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.



31.0551, 37.6685, 13.1416



33.3853, 37.6685, 96.7779



45.8837, 37.6685, 16.7464

Square

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



33.3853, 37.6685, 96.7779



52.0067, 37.6685, 48.5159



38.3342, 37.6685, 12.2634



23.3716, 37.6685, 34.3293

Rectangle

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



33.3853, 37.6685, 96.7779



45.9475, 37.6685, 81.4745



38.3342, 37.6685, 12.2634



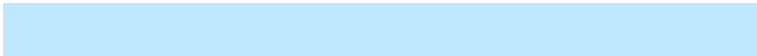
27.2733, 37.6685, 16.8180

Sweetspot

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



33.3867, 37.6697, 96.7789



68.4114, 75.9540, 105.6627



38.3278, 70.6238, 27.2980



13.9803, 15.6276, 22.5295



0.0000, 0.0000, 0.0000



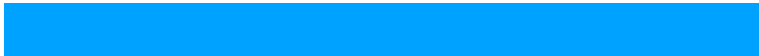
20.3446, 21.4041, 23.3091

Same Dimension

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



33.3867, 37.6697, 96.7789



31.0363, 33.1926, 99.3788



20.4920, 11.8804, 92.4806



17.2047, 18.4862, 22.0467



15.8881, 17.1318, 50.4429



1.5722, 1.7881, 4.7055

Inverse Universe

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



48.1504, 25.0180, 42.3366



47.7949, 23.8820, 36.4476



65.5354, 71.4257, 12.2539



17.7098, 17.4113, 20.3278



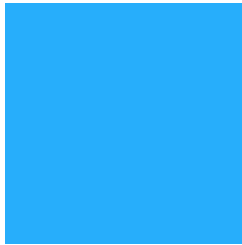
24.3116, 12.1404, 18.8812



2.3025, 1.1447, 2.0164

Previews

White Background



This preview shows how the XYZ color 33.3853, 37.6685, 96.7779 looks on a white background.

Color Contrast Check

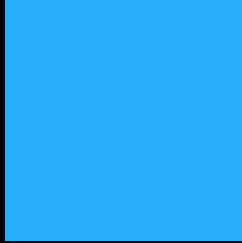
Large Text (above 18pt) WCAG AA × Fail

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 33.3853, 37.6685, 96.7779 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

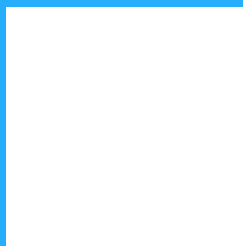
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3853, 37.6685, 96.7779

Background



This preview shows how black text looks on a background with the XYZ color 33.3853, 37.6685, 96.7779.



This preview shows how white text looks on a background with the XYZ color 33.3853, 37.6685,

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

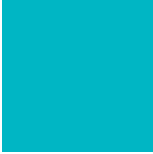
33.3853, 37.6685, 96.7779

Protanopia

38.9543, 37.1843, 87.5622

Deuteranopia

38.4763, 37.4943, 98.1377



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

33.3853, 37.6685, 96.7779

Protanomaly

35.4448, 36.6289, 90.7899

Deuteranomaly

35.6931, 37.1574, 97.3863

Tritanomaly

28.6959, 37.2914, 70.6513

Monochromacy



Original Color

33.3853, 37.6685, 96.7779

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.8248, 29.4919, 48.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3853, 37.6685, 96.7779 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(39, 174, 251)` looks like.

```
.text, #text, p{  
  color:rgb(39, 174, 251)  
}
```

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(39, 174, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 174, 251) }
```

Border

The CSS property to change the border of an element to XYZ 33.3853, 37.6685, 96.7779 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(39, 174, 251) }
```


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

```
.border{ border-color:rgb(39, 174, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 174, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 174, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 174, 251);  
box-shadow:4px 4px 4px 4px rgb(39, 174,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3853, 37.6685, 96.7779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 174, 251) }
```

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

```
.background{ background-color: rgb(39, 174,  
251) }
```

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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