

Converting Colors

XYZ(33.5670, 40.1858, 94.2666)

Have a look what the booklet for
XYZ(33.5670, 40.1858, 94.2666)
contains.

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Color

**XYZ(33.5164, 40.1713,
93.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6F7
RGB	0, 182, 247
RGB Percent	0%, 71%, 97%
CMY	0.9997, 0.2863, 0.0314
CMYK	1.00, 0.26, 0.00, 0.03
HSL	196°, 100%, 48%
HSV	196°, 100%, 97%
XYZ	33.5164, 40.1713, 93.9830
YIQ	134.9920, -129.3370, -18.3690

Conversions

Conversions Part 2

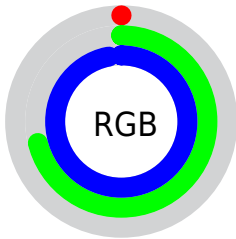
Format	Color
RYB	0, 105, 247
Decimal	46839
CIELab	69.59, -15.68, -42.85
CIELCh	70, 45.634, 249.899
Yxy	40.1713, 0.1999, 0.2396
Android (android.graphics.Color)	4278236919 (0xFF00B6F7)
YUV	134.9920, 55.2199, -118.3880
Hunter-Lab	63.3808, -16.5239, -43.5504

Details

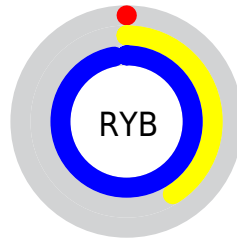
The XYZ color **33.5164, 40.1713, 93.9830** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **40.2525, 23.5625, 2.4284**, and the grayscale version is **22.8701, 24.0611, 26.2025**.

A 20% lighter version of the original color is **55.1801, 71.7486, 105.5483**, and **17.1445, 19.4182, 51.5597** is the 20% darker color. If you saturate the color by 10%, you get **33.5135, 40.1651, 93.9828**, and if you desaturate by 10%, it is **35.2748, 43.1012, 94.4567**.

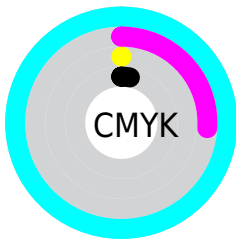
Distribution



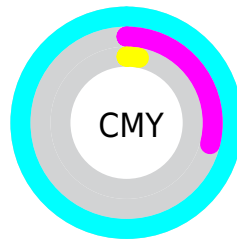
- Red (0%)
- Green (71%)
- Blue (97%)



- Red (0%)
- Yellow (41%)
- Blue (97%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (29%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5164, 40.1713, 93.9830 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 33.5164, 40.1713, 93.9830 by changing the saturation by 10% instead.

33.5164, 40.1713,
93.9830

33.5164, 40.1713,
93.9830

309.5943,
346.8450, 561.8050

22.6835, 27.6721,
70.6966

64.5302, 75.4243,
154.8423

14.4794, 18.0787,
51.6143

85.4418, 98.9469,
193.2523

8.5387, 11.0065,
36.3176

110.4437,
126.9128, 237.5405

4.4962, 6.0712,
24.3880

139.9011,
159.7063, 288.1256

1.9865, 2.8884,
15.4068

174.1796,
197.7119, 345.4261

0.6264, 1.0738,
8.9556

213.6443,

0.0000, 0.0000,

241.3140, 409.8604

4.6158

258.6608,
290.8969, 481.8472

■ 0.0000, 0.0000,
1.9689

■ 0.0000, 0.0000,
0.5361

■ 33.5164, 40.1713,
93.9830

■ 33.5164, 40.1713,
93.9830

■ 33.5135, 40.1651,
93.9828

■ 35.2748, 43.1012,
94.4567

■ 37.5942, 46.4127,
94.9736

■ 40.6305, 50.1880,
95.5423

■ 44.4776, 54.4765,
96.1673

■ 49.2142, 59.3201,
96.8526

■ 54.9092, 64.7554,
97.6015

■ 61.6246, 70.8154,
98.4173

■ 69.4167, 77.5302,
99.3027

■ 78.3378, 84.9279,
100.2604

Harmonies

Analogous

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



28.3108, 40.1713, 75.2722



33.5164, 40.1713, 93.9830



40.6696, 40.1713, 97.1268

Triad

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



33.5164, 40.1713, 93.9830



53.9090, 40.1713, 37.1279



29.7953, 40.1713, 19.4109

Complementary

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



33.5164, 40.1713, 93.9830



40.2525, 23.5625, 2.4284

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.



35.7972, 40.1713, 14.7069



33.5164, 40.1713, 93.9830



50.1154, 40.1713, 22.5330

Square

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



33.5164, 40.1713, 93.9830



53.0926, 40.1713, 59.2195



43.2608, 40.1713, 15.6285



26.3618, 40.1713, 31.2240

Rectangle

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



33.5164, 40.1713, 93.9830



45.6888, 40.1713, 89.1892



43.2608, 40.1713, 15.6285



31.5454, 40.1713, 17.1503

Sweetspot

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



33.5179, 40.1726, 93.9840



66.1943, 76.0827, 105.8044



34.1259, 66.8682, 15.6369



13.4870, 15.6784, 22.5653



0.0000, 0.0000, 0.0000



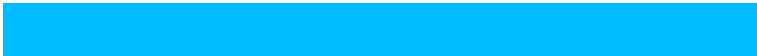
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5179, 40.1726, 93.9840



36.0072, 43.1344, 101.0357



18.5012, 10.1394, 88.9785



16.6061, 17.9764, 21.1371



17.8460, 21.4859, 49.7446



1.6520, 2.0554, 4.3999

Inverse Universe

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



46.8026, 23.1533, 46.2594



50.3040, 24.8856, 49.6602



55.7634, 54.5843, 7.5987



17.0165, 16.6895, 19.8334



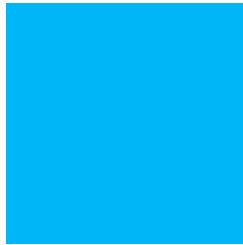
24.8124, 12.2684, 24.7841



2.2229, 1.0951, 2.4002

Previews

White Background



This preview shows how the XYZ color 33.5164, 40.1713, 93.9830 looks on a white background.

Color Contrast Check

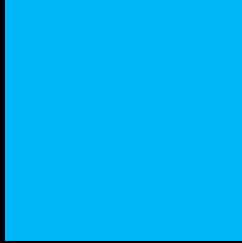
Large Text (above 18pt) WCAG AA × Fail

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 33.5164, 40.1713, 93.9830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

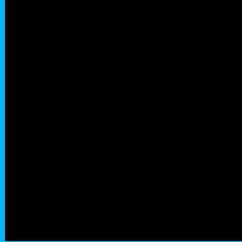
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5164, 40.1713, 93.9830

Background



This preview shows how black text looks on a background with the XYZ color 33.5164, 40.1713, 93.9830.

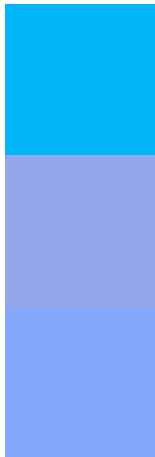


This preview shows how white text looks on a background with the XYZ color 33.5164, 40.1713,

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

33.5164, 40.1713, 93.9830

Protanopia

40.8444, 39.5665, 84.0816

Deuteranopia

40.9308, 39.8939, 95.9855



Tritanopia

28.6439, 40.2307, 62.1327

Trichromacy



Original Color

33.5164, 40.1713, 93.9830



Protanomaly

34.9486, 38.1167, 87.1766



Deuteranomaly

35.7888, 38.6580, 95.1980



Tritanomaly

30.2138, 40.1798, 72.4927

Monochromacy



Original Color

33.5164, 40.1713, 93.9830



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

22.9025, 27.5695, 45.1887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5164, 40.1713, 93.9830 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(0, 182, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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(0, 182, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 247) }
```

Border

The CSS property to change the border of an element to XYZ 33.5164, 40.1713, 93.9830 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(0, 182, 247) }
```


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

```
.border{ border-color:rgb(0, 182, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5164, 40.1713, 93.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 247) }
```

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

```
.background{ background-color: rgb(0, 182,  
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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