

Converting Colors

XYZ(36.1451, 38.5510,
113.4427)

Have a look what the booklet for
XYZ(36.1451, 38.5510, 113.4427)
contains.

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Color

**XYZ(33.5290, 37.3832,
100.0562)**

Conversions

Conversions Part 1

Format	Color
Hex	1EADFF
RGB	30, 173, 255
RGB Percent	12%, 68%, 100%
CMY	0.8822, 0.3216, 0.0000
CMYK	0.88, 0.32, 0.00, 0.00
HSL	202°, 100%, 56%
HSV	202°, 88%, 100%
XYZ	33.5290, 37.3832, 100.0562
YIQ	139.5910, -111.5500, -4.8140

Conversions

Conversions Part 2

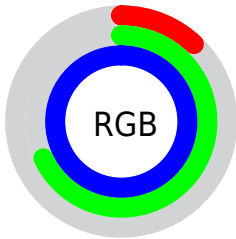
Format	Color
R _Y B	30, 117, 255
Decimal	2010623
CIE Lab	67.56, -6.90, -50.37
CIE LCh	68, 50.838, 262.201
Yxy	37.3832, 0.1961, 0.2187
Android (android.graphics.Color)	4280200703 (0xFF1EADFF)
YUV	139.5910, 56.8966, -96.1113
Hunter-Lab	61.1418, -9.1122, -54.2265

Details

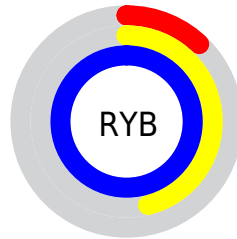
The XYZ color **33.5290, 37.3832, 100.0562** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **47.2723, 32.9490, 5.0987**, and the grayscale version is **24.5907, 25.8713, 28.1738**.

A 20% lighter version of the original color is **53.4012, 66.6287, 104.6538**, and **17.0304, 17.7520, 55.9550** is the 20% darker color. If you saturate the color by 10%, you get **31.3299, 33.6955, 99.4604**, and if you desaturate by 10%, it is **36.4436, 41.6247, 100.7213**.

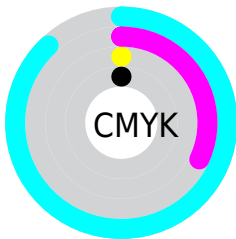
Distribution



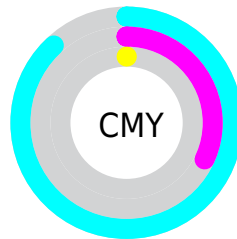
- Red (12%)
- Green (68%)
- Blue (100%)



- Red (12%)
- Yellow (46%)
- Blue (100%)



- Cyan (88%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5290, 37.3832, 100.0562 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 33.5290, 37.3832, 100.0562 by changing the saturation by 10% instead.

■ 33.5290, 37.3832,
100.0562

■ 33.5290, 37.3832,
100.0562

309.6497,
334.9666, 581.6211

■ 22.6932, 25.5043,
75.7303

■ 64.5497, 71.1618,
163.2870

■ 14.4866, 16.4532,
55.7061

■ 85.4653, 93.8302,
203.0289

■ 8.5438, 9.8454,
39.5649

■ 110.4716,
120.8640, 248.7467

■ 4.4996, 5.2966,
26.8883

■ 139.9338,
152.6475, 300.8588

■ 1.9884, 2.4223,
17.2576

■ 174.2174,
189.5651, 359.7837

■ 0.6275, 0.8373,
10.2544

213.6877,

■ 0.0000, 0.0000,

232.0013, 425.9400

5.4602

258.7100,
280.3403, 499.7463

■ 0.0000, 0.0000,
2.4563

■ 0.0000, 0.0000,
0.8169

■ 33.5290, 37.3832,
100.0562

■ 33.5290, 37.3832,
100.0562

■ 31.3299, 33.6955,
99.4604

■ 36.4436, 41.6247,
100.7213

■ 30.9801, 33.0802,
99.3600

■ 40.2060, 46.4906,
101.4622

■ 44.9172, 52.0367,
102.2844

■ 50.6618, 58.3101,
103.1926

■ 57.5141, 65.3526,
104.1907

■ 65.5415, 73.2019,
105.2827

■ 74.8053, 81.8930,
106.4720

■ 85.3626, 91.4584,
107.7619

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



27.0854, 37.3832, 85.1257



33.5290, 37.3832, 100.0562



41.5252, 37.3832, 95.0495

Triad

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



33.5290, 37.3832, 100.0562



51.3608, 37.3832, 26.4969



24.9200, 37.3832, 19.5953

Complementary

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



33.5290, 37.3832, 100.0562



47.2723, 32.9490, 5.0987

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.



30.1444, 37.3832, 12.4243



33.5290, 37.3832, 100.0562



45.5731, 37.3832, 15.2677

Square

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



33.5290, 37.3832, 100.0562



52.6190, 37.3832, 46.8349



37.6124, 37.3832, 11.1994



22.6130, 37.3832, 35.1328

Rectangle

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



33.5290, 37.3832, 100.0562



46.6264, 37.3832, 81.6931



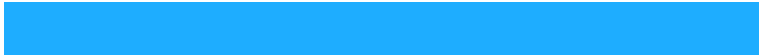
37.6124, 37.3832, 11.1994



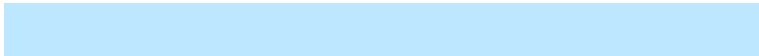
26.3532, 37.3832, 16.4014

Sweetspot

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



33.5303, 37.3844, 100.0564



67.4915, 75.0597, 105.5385



39.0444, 72.8957, 26.4159



13.8012, 15.4500, 22.5047



0.0000, 0.0000, 0.0000



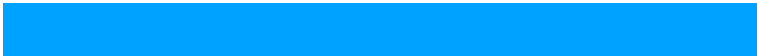
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5303, 37.3844, 100.0564



30.9801, 33.0802, 99.3600



20.4072, 11.1383, 95.6821



17.9655, 19.3027, 23.0289



16.3349, 17.5793, 51.9668



1.6945, 1.9198, 5.0945

Inverse Universe

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



49.2481, 25.2074, 41.8059



47.7665, 23.8706, 36.2981



67.3986, 73.2015, 11.8075



18.4953, 18.1814, 21.2252



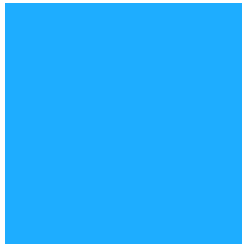
25.0333, 12.5026, 19.3576



2.4899, 1.2383, 2.1614

Previews

White Background



This preview shows how the XYZ color 33.5290, 37.3832, 100.0562 looks on a white background.

Color Contrast Check

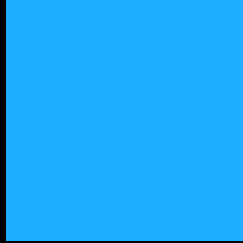
Large Text (above 18pt) WCAG AA × Fail

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 33.5290, 37.3832, 100.0562 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

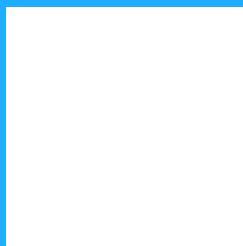
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5290, 37.3832, 100.0562

Background



This preview shows how black text looks on a background with the XYZ color 33.5290, 37.3832, 100.0562.

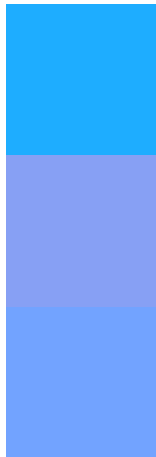


This preview shows how white text looks on a background with the XYZ color 33.5290, 37.3832,

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

33.5290, 37.3832, 100.0562

Protanopia

38.8916, 36.8242, 90.6459

Deuteranopia

38.0866, 36.9918, 99.7405



Tritanopia

26.5783, 37.3960, 57.4471

Trichromacy



Original Color

33.5290, 37.3832, 100.0562

Protanomaly

35.3282, 36.2290, 93.9378

Deuteranomaly

35.4360, 36.6964, 99.8232

Tritanomaly

28.7825, 37.3211, 71.3323

Monochromacy



Original Color

33.5290, 37.3832, 100.0562

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.9273, 28.5432, 48.4516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5290, 37.3832, 100.0562 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(30, 173, 255)` looks like.

```
.text, #text, p{  
  color:rgb(30, 173, 255)  
}
```

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(30, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.5290, 37.3832, 100.0562 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(30, 173, 255) }
```


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

```
.border{ border-color:rgb(30, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5290, 37.3832, 100.0562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 173, 255) }
```

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

```
.background{ background-color: rgb(30, 173,  
255) }
```

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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