

Converting Colors

XYZ(32.6183, 37.9721, 99.4995)

Have a look what the booklet for
XYZ(32.6183, 37.9721, 99.4995)
contains.

XYZ(33.6115, 38.6000, 99.4450)	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(33.6115, 38.6000,
99.4450)**

Conversions

Conversions Part 1

Format	Color
Hex	00B1FE
RGB	0, 177, 254
RGB Percent	0%, 69%, 100%
CMY	0.9997, 0.3059, 0.0039
CMYK	1.00, 0.30, 0.00, 0.00
HSL	198°, 100%, 50%
HSV	198°, 100%, 100%
XYZ	33.6115, 38.6000, 99.4450
YIQ	132.8550, -130.2090, -13.5770

Conversions

Conversions Part 2

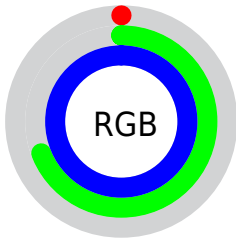
Format	Color
RYB	0, 104, 254
Decimal	45566
CIELab	68.46, -10.47, -48.42
CIELCh	68, 49.544, 257.794
Yxy	38.6000, 0.1958, 0.2249
Android (android.graphics.Color)	4278235646 (0xFF00B1FE)
YUV	132.8550, 59.7245, -116.5138
Hunter-Lab	62.1289, -12.1577, -51.4108

Details

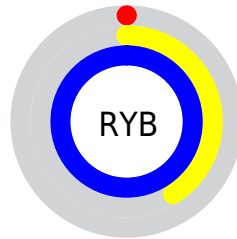
The XYZ color **33.6115, 38.6000, 99.4450** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **43.5328, 26.3891, 2.8013**, and the grayscale version is **22.0738, 23.2234, 25.2903**.

A 20% lighter version of the original color is **53.5887, 68.3780, 104.9816**, and **17.4117, 18.6984, 55.5148** is the 20% darker color. If you saturate the color by 10%, you get **33.6076, 38.5920, 99.4445**, and if you desaturate by 10%, it is **35.5893, 41.9427, 99.9868**.

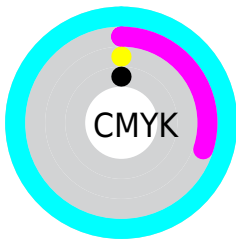
Distribution



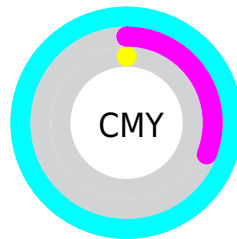
- Red (0%)
- Green (69%)
- Blue (100%)



- Red (0%)
- Yellow (41%)
- Blue (100%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6115, 38.6000, 99.4450 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 33.6115, 38.6000, 99.4450 by changing the saturation by 10% instead.

■ 33.6115, 38.6000,
99.4450

■ 33.6115, 38.6000,
99.4450

310.0127,
340.1869, 579.6433

■ 22.7568, 26.4487,
75.2228

■ 64.6774, 73.0269,
162.4395

■ 14.5337, 17.1596,
55.2926

■ 85.6192, 96.0712,
202.0489

■ 8.5770, 10.3484,
39.2359

■ 110.6542,
123.5153, 247.6244

■ 4.5212, 5.6305,
26.6340

■ 140.1476,
155.7437, 299.5847

■ 2.0010, 2.6218,
17.0686

■ 174.4648,
193.1406, 358.3481

■ 0.6345, 0.9376,
10.1209

213.9711,

■ 0.0000, 0.0000,

236.0905, 424.3334

5.3725

259.0320,
284.9778, 497.9589

■ 0.0000, 0.0000,
2.4049

■ 0.0000, 0.0000,
0.7891

■ 33.6115, 38.6000,
99.4450

■ 33.6115, 38.6000,
99.4450

■ 33.6076, 38.5920,
99.4445

■ 35.5893, 41.9427,
99.9868

■ 38.1874, 45.7342,
100.5817

■ 41.5712, 50.0622,
101.2387

■ 45.8418, 54.9809,
101.9631

■ 51.0841, 60.5358,
102.7590

■ 57.3724, 66.7672,
103.6303

■ 64.7734, 73.7112,
104.5806

■ 73.3480, 81.4010,
105.6129

■ 83.1524, 89.8674,
106.7303

Harmonies

Analogous

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



27.5174, 38.6000, 82.4856



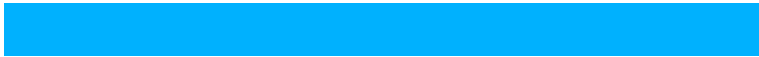
33.6115, 38.6000, 99.4450



41.4586, 38.6000, 97.5353

Triad

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



33.6115, 38.6000, 99.4450



52.8782, 38.6000, 30.2352



26.6738, 38.6000, 19.2952

Complementary

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



33.6115, 38.6000, 99.4450



43.5328, 26.3891, 2.8013

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.



32.2984, 38.6000, 12.9863



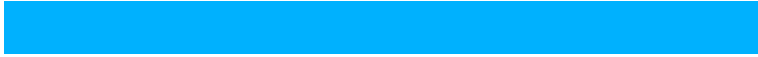
33.6115, 38.6000, 99.4450



47.6988, 38.6000, 17.5882

Square

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



33.6115, 38.6000, 99.4450



53.3619, 38.6000, 51.7666



39.9470, 38.6000, 12.4978



23.9090, 38.6000, 33.5959

Rectangle

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



33.6115, 38.6000, 99.4450



46.6543, 38.6000, 85.8581



39.9470, 38.6000, 12.4978



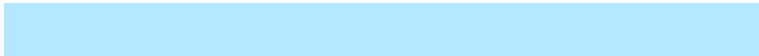
28.2531, 38.6000, 16.4271

Sweetspot

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



33.6130, 38.6013, 99.4460



65.3261, 74.3464, 105.5150



36.7563, 71.4101, 18.7297



13.2787, 15.2618, 22.4959



0.0000, 0.0000, 0.0000



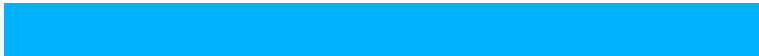
20.3446, 21.4041, 23.3091

Same Dimension

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



33.6130, 38.6013, 99.4460



33.9059, 38.9318, 100.3353



19.0682, 9.5116, 94.5977



18.0627, 19.4970, 23.0612



17.8542, 20.6180, 52.4732



1.8347, 2.2001, 5.1412

Inverse Universe

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



48.8102, 24.2470, 43.7034



49.2433, 24.4613, 44.0749



62.2807, 63.8849, 9.0506



18.5443, 18.2010, 21.4833



25.8002, 12.8094, 23.3960



2.5607, 1.2666, 2.5339

Previews

White Background



This preview shows how the XYZ color 33.6115, 38.6000, 99.4450 looks on a white background.

Color Contrast Check

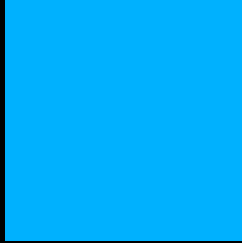
Large Text (above 18pt) WCAG AA × Fail

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 33.6115, 38.6000, 99.4450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

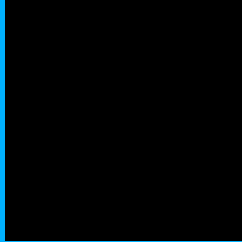
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

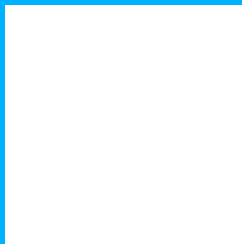
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6115, 38.6000, 99.4450

Background



This preview shows how black text looks on a background with the XYZ color 33.6115, 38.6000, 99.4450.



This preview shows how white text looks on a background with the XYZ color 33.6115, 38.6000,

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

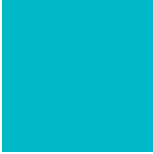
33.6115, 38.6000, 99.4450

Protanopia

39.9394, 38.1806, 89.2690

Deuteranopia

39.4319, 38.4855, 99.9579



Tritanopia

27.3335, 38.3582, 59.3893

Trichromacy



Original Color

33.6115, 38.6000, 99.4450

Protanomaly

34.7570, 36.7829, 92.4567

Deuteranomaly

35.4052, 37.5060, 99.9811

Tritanomaly

29.1788, 38.1097, 72.1477

Monochromacy



Original Color

33.6115, 38.6000, 99.4450

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4296, 26.6005, 45.5472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6115, 38.6000, 99.4450 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, 177, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 254)  
}
```

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, 177, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 254) }
```

Border

The CSS property to change the border of an element to XYZ 33.6115, 38.6000, 99.4450 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, 177, 254) }
```


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

```
.border{ border-color:rgb(0, 177, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6115, 38.6000, 99.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 254) }
```

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

```
.background{ background-color: rgb(0, 177,  
254) }
```

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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