

Converting Colors

XYZ(32.9502, 36.6320,
100.8179)

Have a look what the booklet for
XYZ(32.9502, 36.6320, 100.8179)
contains.

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Color

**XYZ(32.7005, 36.3910,
99.9084)**

Conversions

Conversions Part 1

Format	Color
Hex	07ABFF
RGB	7, 171, 255
RGB Percent	3%, 67%, 100%
CMY	0.9723, 0.3294, 0.0000
CMYK	0.97, 0.33, 0.00, 0.00
HSL	200°, 100%, 51%
HSV	200°, 97%, 100%
XYZ	32.7005, 36.3910, 99.9084
YIQ	131.5400, -124.7080, -8.6440

Conversions

Conversions Part 2

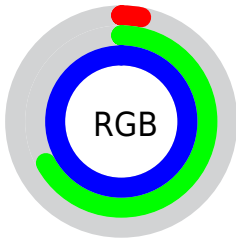
Format	Color
RYB	7, 106, 255
Decimal	502783
CIELab	66.82, -6.62, -51.56
CIElCh	67, 51.981, 262.686
Yxy	36.3910, 0.1935, 0.2153
Android (android.graphics.Color)	4278692863 (0xFF07ABFF)
YUV	131.5400, 60.8658, -109.2216
Hunter-Lab	60.3250, -8.8087, -55.9669

Details

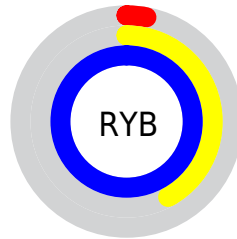
The XYZ color **32.7005, 36.3910, 99.9084** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.0259, 28.7698, 3.3831**, and the grayscale version is **21.5955, 22.7202, 24.7423**.

A 20% lighter version of the original color is **52.0564, 65.1234, 104.4342**, and **16.7899, 17.2709, 55.8748** is the 20% darker color. If you saturate the color by 10%, you get **32.1647, 35.4494, 99.7549**, and if you desaturate by 10%, it is **34.9125, 40.0341, 100.4950**.

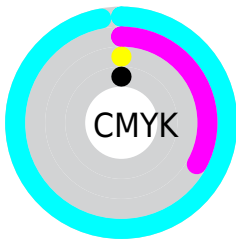
Distribution



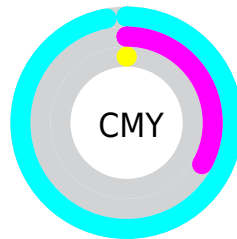
- Red (3%)
- Green (67%)
- Blue (100%)



- Red (3%)
- Yellow (42%)
- Blue (100%)



- Cyan (97%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (97%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7005, 36.3910, 99.9084 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 32.7005, 36.3910, 99.9084 by changing the saturation by 10% instead.

■ 32.7005, 36.3910,
99.9084

■ 32.7005, 36.3910,
99.9084

305.9869,
330.6663, 581.1431

■ 22.0552, 24.7363,
75.6076

■ 63.2655, 69.6351,
163.0821

■ 14.0143, 15.8807,
55.6061

■ 83.9159, 91.9934,
202.7920

■ 8.2124, 9.4398,
39.4853

■ 108.6321,
118.6883, 248.4754

■ 4.2841, 5.0291,
26.8267

■ 137.7794,
150.1042, 300.5508

■ 1.8641, 2.2644,
17.2118

■ 171.7232,
186.6256, 359.4367

■ 0.5558, 0.7548,
10.2221

210.8288,

■ 0.0000, 0.0000,

228.6368, 425.5517

5.4389

255.4616,
276.5223, 499.3144

■ 0.0000, 0.0000,
2.4438

■ 0.0000, 0.0000,
0.8102

■ 32.7005, 36.3910,
99.9084

■ 32.7005, 36.3910,
99.9084

■ 32.1647, 35.4494,
99.7549

■ 34.9125, 40.0341,
100.4950

■ 37.8424, 44.2082,
101.1463

■ 41.6161, 48.9813,
101.8687

■ 46.3310, 54.4066,
102.6674

■ 52.0700, 60.5294,
103.5467

■ 58.9062, 67.3901,
104.5106

■ 66.9058, 75.0253,
105.5628

■ 76.1293, 83.4688,
106.7064

■ 86.6330, 92.7521,
107.9446

Harmonies

Analogous

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



26.2140, 36.3910, 84.9668



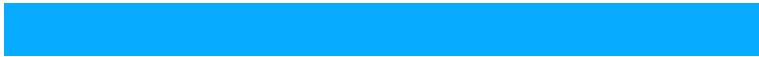
32.7005, 36.3910, 99.9084



40.7497, 36.3910, 94.4603

Triad

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



32.7005, 36.3910, 99.9084



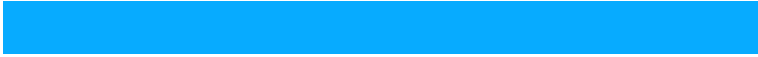
50.4862, 36.3910, 25.1673



23.9092, 36.3910, 18.7549

Complementary

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



32.7005, 36.3910, 99.9084



45.0259, 28.7698, 3.3831

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.



29.0820, 36.3910, 11.6067



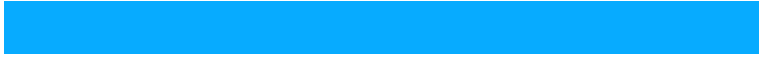
32.7005, 36.3910, 99.9084



44.5801, 36.3910, 14.2099

Square

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



32.7005, 36.3910, 99.9084



51.8443, 36.3910, 45.3916



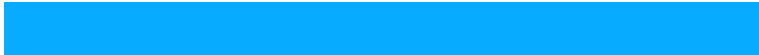
36.5479, 36.3910, 10.3347



21.6620, 36.3910, 34.3662

Rectangle

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



32.7005, 36.3910, 99.9084



45.8775, 36.3910, 80.7043



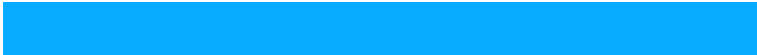
36.5479, 36.3910, 10.3347



25.3224, 36.3910, 15.5671

Sweetspot

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



32.7018, 36.3921, 99.9086



65.3995, 73.6132, 105.3696



37.6819, 72.2990, 21.5784



13.2560, 15.0513, 22.4565



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.



32.7018, 36.3921, 99.9086



32.1647, 35.4494, 99.7549



19.2117, 9.4119, 95.4119



18.0062, 19.3840, 23.0424



16.9506, 18.8107, 52.1720



1.7517, 2.0340, 5.1136

Inverse Universe

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



48.6676, 24.3539, 40.6646



48.3644, 24.1098, 39.4468



65.2441, 69.2062, 10.1225



18.5158, 18.1896, 21.3332



25.3441, 12.6269, 20.9941



2.5188, 1.2499, 2.3132

Previews

White Background



This preview shows how the XYZ color 32.7005, 36.3910, 99.9084 looks on a white background.

Color Contrast Check

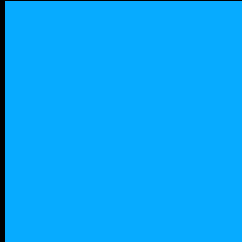
Large Text (above 18pt) WCAG AA × Fail

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 32.7005, 36.3910, 99.9084 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

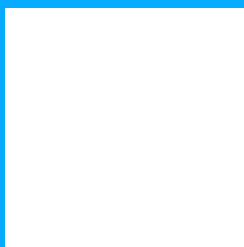
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7005, 36.3910, 99.9084

Background



This preview shows how black text looks on a background with the XYZ color 32.7005, 36.3910, 99.9084.

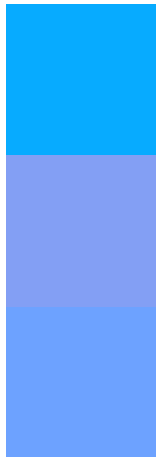


This preview shows how white text looks on a background with the XYZ color 32.7005, 36.3910,

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

32.7005, 36.3910, 99.9084

Protanopia

38.0873, 36.1532, 90.5588

Deuteranopia

37.2770, 36.3119, 99.6519



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

32.7005, 36.3910, 99.9084

Protanomaly

33.8782, 34.9501, 93.7674

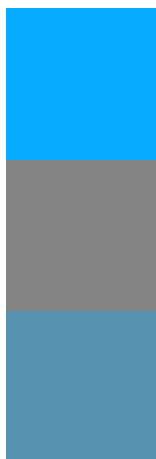
Deuteranomaly

34.1776, 35.5080, 99.6601

Tritanomaly

27.9576, 36.0279, 70.4463

Monochromacy



Original Color

32.7005, 36.3910, 99.9084

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1452, 25.7583, 45.3997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7005, 36.3910, 99.9084 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(7, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(7, 171, 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(7, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.7005, 36.3910, 99.9084 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(7, 171, 255) }
```


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

```
.border{ border-color:rgb(7, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(7, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7005, 36.3910, 99.9084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 171, 255) }
```

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

```
.background{ background-color: rgb(7, 171,  
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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