

Converting Colors

XYZ(29.8701, 32.5824, 93.2325)

Have a look what the booklet for
XYZ(29.8701, 32.5824, 93.2325)
contains.

XYZ(29.9512, 32.6631, 93.5330)	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(29.9512, 32.6631,
93.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	07A2F8
RGB	7, 162, 248
RGB Percent	3%, 64%, 97%
CMY	0.9723, 0.3647, 0.0274
CMYK	0.97, 0.35, 0.00, 0.03
HSL	201°, 95%, 50%
HSV	201°, 97%, 97%
XYZ	29.9512, 32.6631, 93.5330
YIQ	125.4590, -119.9860, -6.1140

Conversions

Conversions Part 2

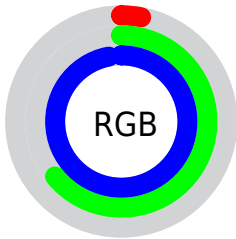
Format	Color
R_{YB}	7, 101, 248
Decimal	500472
CIE _{Lab}	63.89, -4.09, -52.39
CIE _{LCh}	64, 52.545, 265.532
Yxy	32.6631, 0.1918, 0.2092
Android (android.graphics.Color)	4278690552 (0xFF07A2F8)
YUV	125.4590, 60.4127, -103.8885
Hunter-Lab	57.1516, -6.4697, -57.0264

Details

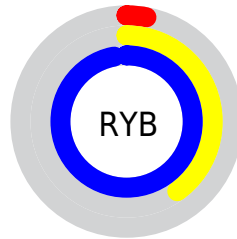
The XYZ color **29.9512, 32.6631, 93.5330** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.6709, 27.8130, 3.3225**, and the grayscale version is **19.4866, 20.5014, 22.3261**.

A 20% lighter version of the original color is **49.5449, 60.2905, 103.6337**, and **15.0884, 15.1305, 51.4154** is the 20% darker color. If you saturate the color by 10%, you get **29.4239, 31.7383, 93.3830**, and if you desaturate by 10%, it is **32.0703, 36.1529, 94.0956**.

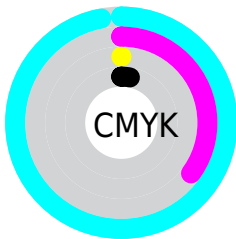
Distribution



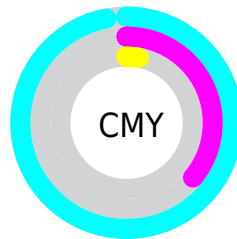
- Red (3%)
- Green (64%)
- Blue (97%)



- Red (3%)
- Yellow (40%)
- Blue (97%)



- Cyan (97%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)





- Cyan (97%)
- Magenta (36%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9512, 32.6631, 93.5330 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 29.9512, 32.6631, 93.5330 by changing the saturation by 10% instead.


 29.9512, 32.6631,
93.5330


 29.9512, 32.6631,
93.5330


293.5908,
314.1289, 560.3217


 19.9494, 21.8685,
70.3245


 58.9722, 63.8492,
154.2144


 12.4663, 13.7603,
51.3127

 78.7221, 85.0094,
192.5244


 7.1366, 7.9541,
36.0790


 102.4520,
110.3937, 236.7052

 3.5947, 4.0656,
24.2051

 130.5275,
140.3864, 287.1755

 1.4755, 1.7103,
15.2722

 163.3137,
175.3718, 344.3537

 0.3091, 0.4303,
8.8619

201.1761,

 0.0000, 0.0000,

215.7345, 408.6585

4.5556

244.4800,
261.8587, 480.5083

■ 0.0000, 0.0000,
1.9349

■ 0.0000, 0.0000,
0.5148

■ 29.9512, 32.6631,
93.5330

■ 29.9512, 32.6631,
93.5330

■ 29.4239, 31.7383,
93.3830

■ 32.0703, 36.1529,
94.0956

■ 34.8740, 40.1615,
94.7216

■ 38.4799, 44.7530,
95.4178

■ 42.9791, 49.9774,
96.1891

■ 48.4490, 55.8776,
97.0396

■ 54.9584, 62.4920,
97.9732

■ 62.5692, 69.8552,
98.9934

■ 71.3382, 77.9994,
100.1032

■ 81.3181, 86.9545,
101.3057

Harmonies

Analogous

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



23.6766, 32.6631, 80.7817



29.9512, 32.6631, 93.5330



37.5826, 32.6631, 86.3858

Triad

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



29.9512, 32.6631, 93.5330



45.7164, 32.6631, 20.7478



20.7405, 32.6631, 17.1446

Complementary

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



29.9512, 32.6631, 93.5330



42.6709, 27.8130, 3.3225

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.



25.3138, 32.6631, 10.0291



29.9512, 32.6631, 93.5330



39.8032, 32.6631, 11.4555

Square

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



29.9512, 32.6631, 93.5330



47.4790, 32.6631, 38.8307



32.1657, 32.6631, 8.4626



18.9226, 32.6631, 32.4869

Rectangle

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



29.9512, 32.6631, 93.5330



42.3322, 32.6631, 72.3755



32.1657, 32.6631, 8.4626



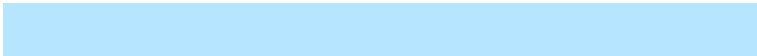
21.9674, 32.6631, 13.9929

Sweetspot

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



29.9525, 32.6641, 93.5339



65.0276, 72.8694, 105.2456



35.5616, 67.9432, 21.2273



13.1667, 14.8726, 22.4267



0.0000, 0.0000, 0.0000



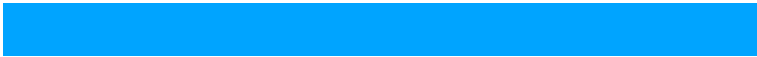
20.3446, 21.4041, 23.3091

Same Dimension

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



29.9525, 32.6641, 93.5339



31.3216, 33.7632, 99.4739



17.9034, 8.5660, 89.5175



17.2142, 18.5052, 22.0499



16.0320, 17.4196, 50.4909



1.5849, 1.8135, 4.7097

Inverse Universe

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



45.3102, 22.7188, 36.1801



47.9389, 23.9396, 37.2059



62.2593, 66.9898, 9.8519



17.7146, 17.4132, 20.3530



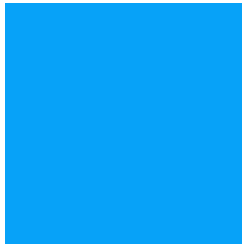
24.3843, 12.1694, 19.2637



2.3089, 1.1473, 2.0502

Previews

White Background



This preview shows how the XYZ color 29.9512, 32.6631, 93.5330 looks on a white background.

Color Contrast Check

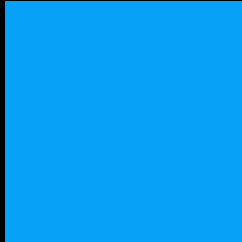
Large Text (above 18pt) WCAG AA × Fail

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 29.9512, 32.6631, 93.5330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

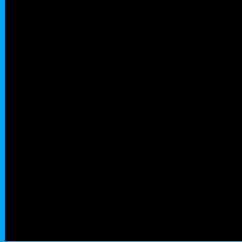
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

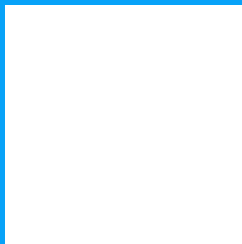
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9512, 32.6631, 93.5330

Background



This preview shows how black text looks on a background with the XYZ color 29.9512, 32.6631, 93.5330.



This preview shows how white text looks on a background with the XYZ color 29.9512, 32.6631,

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

29.9512, 32.6631, 93.5330

Protanopia

34.5253, 32.4438, 85.3315

Deuteranopia

33.5302, 32.4462, 94.9380



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

29.9512, 32.6631, 93.5330



Protanomaly

31.0566, 31.5590, 88.4590



Deuteranomaly

31.2058, 32.0103, 94.1564



Tritanomaly

25.3027, 32.5296, 63.9767

Monochromacy



Original Color

29.9512, 32.6631, 93.5330



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.8239, 22.8731, 41.4003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9512, 32.6631, 93.5330 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, 162, 248)` looks like.

```
.text, #text, p{  
    color:rgb(7, 162, 248)  
}
```

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, 162, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 162, 248) }
```

Border

The CSS property to change the border of an element to XYZ 29.9512, 32.6631, 93.5330 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, 162, 248) }
```


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

```
.border{ border-color:rgb(7, 162, 248) }
```

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

Here you see how a box with a 4 pixel rgb(7, 162, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 162, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 162, 248);  
box-shadow:4px 4px 4px 4px rgb(7, 162,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9512, 32.6631, 93.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 162, 248) }
```

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

```
.background{ background-color: rgb(7, 162,  
248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor