

Converting Colors

XYZ(8.8750, 22.3650, 91.9411)

Have a look what the booklet for
XYZ(8.8750, 22.3650, 91.9411)
contains.

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Color

**XYZ(30.0640, 33.2663,
92.8322)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4F7
RGB	0, 164, 247
RGB Percent	0%, 64%, 97%
CMY	0.9997, 0.3569, 0.0314
CMYK	1.00, 0.34, 0.00, 0.03
HSL	200°, 100%, 48%
HSV	200°, 100%, 97%
XYZ	30.0640, 33.2663, 92.8322
YIQ	124.4260, -124.3870, -8.9550

Conversions

Conversions Part 2

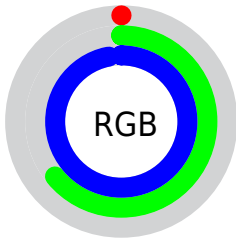
Format	Color
RYB	0, 99, 247
Decimal	42231
CIELab	64.38, -5.77, -51.07
CIELCh	64, 51.392, 263.549
Yxy	33.2663, 0.1925, 0.2130
Android (android.graphics.Color)	4278232311 (0xFF00A4F7)
YUV	124.4260, 60.4290, -109.1216
Hunter-Lab	57.6769, -7.8919, -55.0546

Details

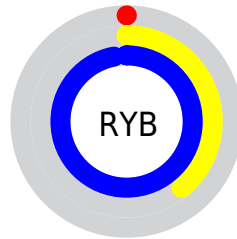
The XYZ color **30.0640, 33.2663, 92.8322** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **41.4576, 25.9726, 2.8303**, and the grayscale version is **19.1425, 20.1394, 21.9318**.

A 20% lighter version of the original color is **49.8119, 61.1980, 103.7948**, and **15.1994, 15.5280, 50.9113** is the 20% darker color. If you saturate the color by 10%, you get **30.0598, 33.2577, 92.8315**, and if you desaturate by 10%, it is **31.9945, 36.5401, 93.3631**.

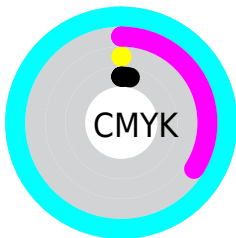
Distribution



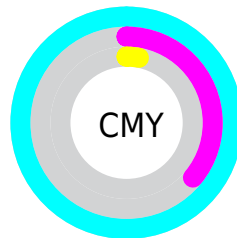
- Red (0%)
- Green (64%)
- Blue (97%)



- Red (0%)
- Yellow (39%)
- Blue (97%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (36%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0640, 33.2663, 92.8322 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 30.0640, 33.2663, 92.8322 by changing the saturation by 10% instead.

30.0640, 33.2663,
92.8322

30.0640, 33.2663,
92.8322

294.1071,
316.8480, 558.0075

20.0355, 22.3305,
69.7452

59.1493, 64.7911,
153.2360

12.5293, 14.1000,
50.8433

78.9368, 86.1488,
191.3898

7.1800, 8.1902,
35.7080

102.7080,
111.7494, 235.4029

3.6222, 4.2169,
23.9209

130.8283,
141.9772, 285.6939

1.4907, 1.7956,
15.0633

163.6630,
177.2165, 342.6814

0.3195, 0.4844,
8.7167

201.5775,

0.0000, 0.0000,

217.8518, 406.7837

4.4626

244.9371,
264.2675, 478.4196

■ 0.0000, 0.0000,
1.8824

■ 0.0000, 0.0000,
0.4815

■ 30.0640, 33.2663,
92.8322

■ 30.0640, 33.2663,
92.8322

■ 30.0598, 33.2577,
92.8315

■ 31.9945, 36.5401,
93.3631

■ 34.5223, 40.2682,
93.9495

■ 37.8043, 44.5343,
94.5999

■ 41.9350, 49.3897,
95.3194

■ 46.9942, 54.8780,
96.1121

■ 53.0516, 61.0374,
96.9817

■ 60.1699, 67.9028,
97.9317

■ 68.4065, 75.5058,
98.9651

■ 77.8142, 83.8761,
100.0849

Harmonies

Analogous

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



23.9739, 33.2663, 79.2662



30.0640, 33.2663, 92.8322



37.5802, 33.2663, 87.1449

Triad

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



30.0640, 33.2663, 92.8322



46.3511, 33.2663, 22.3886



21.5972, 33.2663, 17.1670

Complementary

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



30.0640, 33.2663, 92.8322



41.4576, 25.9726, 2.8303

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.



26.3234, 33.2663, 10.4153



30.0640, 33.2663, 92.8322



40.7369, 33.2663, 12.5148

Square

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



30.0640, 33.2663, 92.8322



47.7625, 33.2663, 40.9399



33.2259, 33.2663, 9.1219



19.5965, 33.2663, 31.8800

Rectangle

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



30.0640, 33.2663, 92.8322



42.3377, 33.2663, 73.9821



33.2259, 33.2663, 9.1219



22.8812, 33.2663, 14.1613

Sweetspot

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



30.0653, 33.2674, 92.8331



64.6235, 72.9412, 105.2808



34.7997, 67.1376, 19.1843



13.1105, 14.9255, 22.4399



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.



30.0653, 33.2674, 92.8331



32.2913, 35.7025, 99.7971



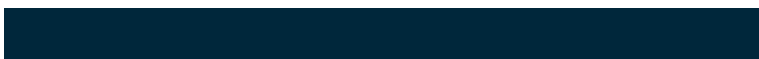
17.5905, 8.3178, 88.6748



16.5002, 17.7646, 21.1018



16.0339, 17.8615, 49.1406



1.5038, 1.7590, 4.3505

Inverse Universe

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



45.0599, 22.4564, 37.0822



48.4283, 24.1353, 39.7832



60.3929, 63.8434, 9.1421



16.9630, 16.6681, 19.5519



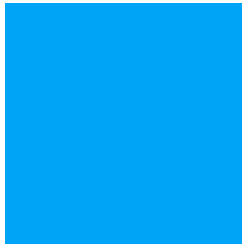
23.8977, 11.9025, 19.9673



2.1481, 1.0652, 2.0063

Previews

White Background



This preview shows how the XYZ color 30.0640, 33.2663, 92.8322 looks on a white background.

Color Contrast Check

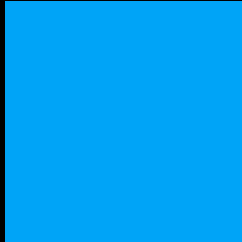
Large Text (above 18pt) WCAG AA × Fail

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 30.0640, 33.2663, 92.8322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

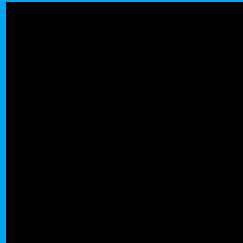
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

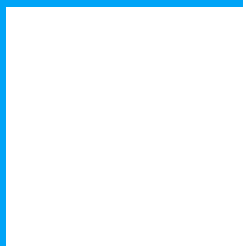
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0640, 33.2663, 92.8322

Background



This preview shows how black text looks on a background with the XYZ color 30.0640, 33.2663, 92.8322.



This preview shows how white text looks on a background with the XYZ color 30.0640, 33.2663,

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

30.0640, 33.2663, 92.8322

Protanopia

34.9717, 32.9309, 84.6338

Deuteranopia

34.0758, 32.9916, 94.1946



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

30.0640, 33.2663, 92.8322

Protanomaly

31.0739, 31.8333, 87.7258

Deuteranomaly

31.2845, 32.3210, 93.3966

Tritanomaly

25.5731, 32.9300, 64.6828

Monochromacy



Original Color

30.0640, 33.2663, 92.8322

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6185, 22.9921, 40.9400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0640, 33.2663, 92.8322 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, 164, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 247) }
```

Border

The CSS property to change the border of an element to XYZ 30.0640, 33.2663, 92.8322 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, 164, 247) }
```


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

```
.border{ border-color:rgb(0, 164, 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, 164, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0640, 33.2663, 92.8322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 247) }
```

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

```
.background{ background-color: rgb(0, 164,  
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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