

Converting Colors

XYZ(21.1776, 28.2591, 93.5401)

Have a look what the booklet for
XYZ(21.1776, 28.2591, 93.5401)
contains.

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Color

**XYZ(29.8636, 32.6180,
93.5289)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2F8
RGB	0, 162, 248
RGB Percent	0%, 64%, 97%
CMY	0.9997, 0.3647, 0.0274
CMYK	1.00, 0.35, 0.00, 0.03
HSL	201°, 100%, 49%
HSV	201°, 100%, 97%
XYZ	29.8636, 32.6180, 93.5289
YIQ	123.3660, -124.1580, -7.5980

Conversions

Conversions Part 2

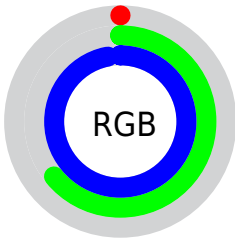
Format	Color
RYB	0, 98, 248
Decimal	41720
CIELab	63.85, -4.27, -52.45
CIELCh	64, 52.619, 265.349
Yxy	32.6180, 0.1914, 0.2091
Android (android.graphics.Color)	4278231800 (0xFF00A2F8)
YUV	123.3660, 61.4446, -108.1920
Hunter-Lab	57.1122, -6.6098, -57.1169

Details

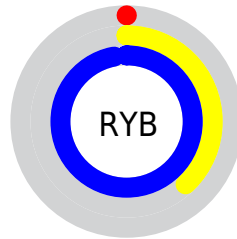
The XYZ color **29.8636, 32.6180, 93.5289** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.0453, 26.6232, 2.9247**, and the grayscale version is **18.7875, 19.7659, 21.5251**.

A 20% lighter version of the original color is **49.2933, 60.1607, 103.6219**, and **15.0884, 15.1305, 51.4154** is the 20% darker color. If you saturate the color by 10%, you get **29.8598, 32.6102, 93.5283**, and if you desaturate by 10%, it is **31.8293, 35.9588, 94.0709**.

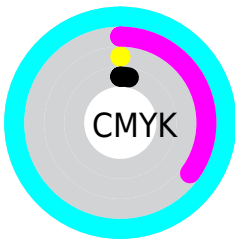
Distribution



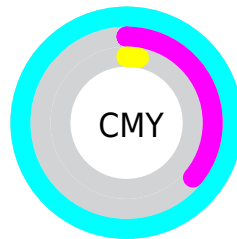
- Red (0%)
- Green (64%)
- Blue (97%)



- Red (0%)
- Yellow (38%)
- Blue (97%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8636, 32.6180, 93.5289 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 29.8636, 32.6180, 93.5289 by changing the saturation by 10% instead.

■ 29.8636, 32.6180,
93.5289

■ 29.8636, 32.6180,
93.5289

293.1894,
313.9249, 560.3082

■ 19.8826, 21.8340,
70.3211

■ 58.8345, 63.7787,
154.2087

■ 12.4175, 13.7350,
51.3099

■ 78.5552, 84.9241,
192.5177

■ 7.1029, 7.9366,
36.0769

■ 102.2531,
110.2921, 236.6976

■ 3.5735, 4.0544,
24.2034

■ 130.2937,
140.2671, 287.1668

■ 1.4638, 1.7040,
15.2710

■ 163.0422,
175.2335, 344.3440

■ 0.3010, 0.4263,
8.8611

200.8641,

■ 0.0000, 0.0000,

215.5757, 408.6475

4.5551

244.1247,
261.6780, 480.4961

■ 0.0000, 0.0000,
1.9345

■ 0.0000, 0.0000,
0.5146

■ 29.8636, 32.6180,
93.5289

■ 29.8636, 32.6180,
93.5289

■ 29.8598, 32.6102,
93.5283

■ 31.8293, 35.9588,
94.0709

■ 34.4040, 39.7700,
94.6708

■ 37.7460, 44.1366,
95.3375

■ 41.9512, 49.1107,
96.0759

■ 47.1001, 54.7365,
96.8905

■ 53.2634, 61.0534,
97.7849

■ 60.5045, 68.0964,
98.7627

■ 68.8816, 75.8982,
99.8271

■ 78.4483, 84.4888,
100.9810

Harmonies

Analogous

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



23.6001, 32.6180, 80.6511



29.8636, 32.6180, 93.5289



37.4971, 32.6180, 86.4920

Triad

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



29.8636, 32.6180, 93.5289



45.7096, 32.6180, 20.7784



20.7148, 32.6180, 17.0287

Complementary

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



29.8636, 32.6180, 93.5289



42.0453, 26.6232, 2.9247

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.



25.3046, 32.6180, 9.9618



29.8636, 32.6180, 93.5289



39.8103, 32.6180, 11.4448

Square

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



29.8636, 32.6180, 93.5289



47.4439, 32.6180, 38.9212



32.1699, 32.6180, 8.4257



18.8800, 32.6180, 32.3145

Rectangle

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



29.8636, 32.6180, 93.5289



42.2578, 32.6180, 72.5105



32.1699, 32.6180, 8.4257



21.9473, 32.6180, 13.8952

Sweetspot

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



29.8649, 32.6190, 93.5298



64.3965, 72.4871, 105.2051



35.1188, 67.7559, 19.3528



13.0562, 14.8169, 22.4218



0.0000, 0.0000, 0.0000



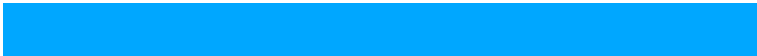
20.3446, 21.4041, 23.3091

Same Dimension

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



29.8649, 32.6190, 93.5298



31.7863, 34.6925, 99.6288



17.7508, 8.3908, 89.4917



17.2294, 18.5356, 22.0549



16.2663, 17.8882, 50.5690



1.6055, 1.8548, 4.7166

Inverse Universe

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



45.2342, 22.5668, 36.1549



48.1734, 24.0334, 38.4409



60.9472, 64.4270, 9.2254



17.7223, 17.4163, 20.3935



24.5025, 12.2167, 19.8865



2.3193, 1.1515, 2.1050

Previews

White Background



This preview shows how the XYZ color 29.8636, 32.6180, 93.5289 looks on a white background.

Color Contrast Check

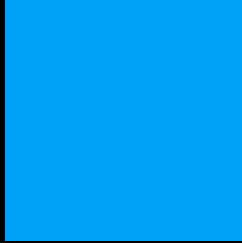
Large Text (above 18pt) WCAG AA × Fail

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 29.8636, 32.6180, 93.5289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

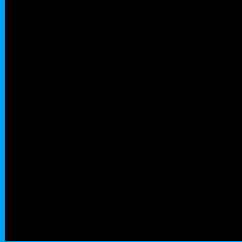
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

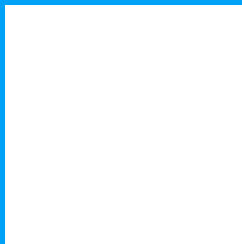
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8636, 32.6180, 93.5289

Background



This preview shows how black text looks on a background with the XYZ color 29.8636, 32.6180, 93.5289.



This preview shows how white text looks on a background with the XYZ color 29.8636, 32.6180,

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

29.8636, 32.6180, 93.5289

Protanopia

34.5253, 32.4438, 85.3315

Deuteranopia

33.5302, 32.4462, 94.9380

Trichromacy



Original Color

29.8636, 32.6180, 93.5289

Protanomaly

30.8902, 31.4732, 88.4512

Deuteranomaly

31.0193, 31.9142, 94.1477

Monochromacy



Original Color

29.8636, 32.6180, 93.5289

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1554, 22.3382, 40.3479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8636, 32.6180, 93.5289 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, 162, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 162, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 248) }
```

Border

The CSS property to change the border of an element to XYZ 29.8636, 32.6180, 93.5289 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, 162, 248) }
```

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

```
.border{ border-color:rgb(0, 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(0, 162, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
248) }
```


Background

The CSS property to change the background color of an element to XYZ 29.8636, 32.6180, 93.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 248) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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