

Converting Colors

XYZ(29.7499, 33.1784, 91.0623)

Have a look what the booklet for
XYZ(29.7499, 33.1784, 91.0623)
contains.

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Color

**XYZ(29.7569, 33.1435,
91.2152)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4F5
RGB	0, 164, 245
RGB Percent	0%, 64%, 96%
CMY	0.9997, 0.3569, 0.0392
CMYK	1.00, 0.33, 0.00, 0.04
HSL	200°, 100%, 48%
HSV	200°, 100%, 96%
XYZ	29.7569, 33.1435, 91.2152
YIQ	124.1980, -123.7450, -9.5770

Conversions

Conversions Part 2

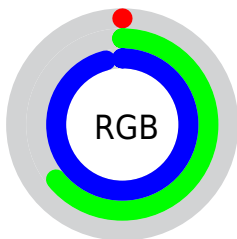
Format	Color
RYB	0, 98, 245
Decimal	42229
CIELab	64.28, -6.51, -50.13
CIELCh	64, 50.551, 262.600
Yxy	33.1435, 0.1931, 0.2151
Android (android.graphics.Color)	4278232309 (0xFF00A4F5)
YUV	124.1980, 59.5554, -108.9216
Hunter-Lab	57.5704, -8.4854, -53.6405

Details

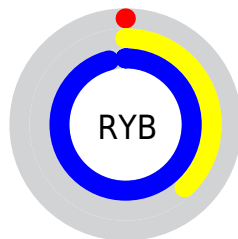
The XYZ color **29.7569, 33.1435, 91.2152** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **40.6045, 25.3080, 2.7468**, and the grayscale version is **19.0688, 20.0618, 21.8473**.

A 20% lighter version of the original color is **49.8119, 61.1980, 103.7948**, and **14.9822, 15.4411, 49.7677** is the 20% darker color. If you saturate the color by 10%, you get **29.7532, 33.1358, 91.2146**, and if you desaturate by 10%, it is **31.6442, 36.3385, 91.7331**.

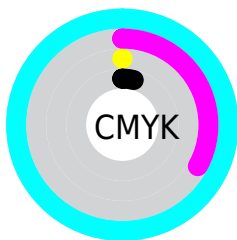
Distribution



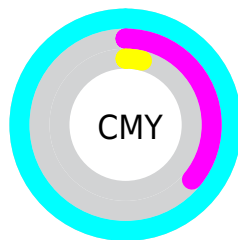
- Red (0%)
- Green (64%)
- Blue (96%)



- Red (0%)
- Yellow (38%)
- Blue (96%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7569, 33.1435, 91.2152 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 29.7569, 33.1435, 91.2152 by changing the saturation by 10% instead.

■ 29.7569, 33.1435,
91.2152

■ 29.7569, 33.1435,
91.2152

292.6999,
316.2959, 552.6477

■ 19.8013, 22.2364,
68.4096

■ 58.6668, 64.5995,
150.9754

■ 12.3581, 14.0307,
49.7623

■ 78.3518, 85.9172,
188.7672

■ 7.0620, 8.1420,
34.8547

■ 102.0106,
111.4739, 232.3913

■ 3.5476, 4.1860,
23.2683

■ 130.0087,
141.6539, 282.2665

■ 1.4495, 1.7781,
14.5846

■ 162.7112,
176.8418, 338.8111

■ 0.2911, 0.4735,
8.3850

200.4837,

■ 0.0000, 0.0000,

217.4218, 402.4439

4.2510

243.6915,
263.7783, 473.5832

■ 0.0000, 0.0000,
1.7640

■ 0.0000, 0.0000,
0.4041

■ 29.7569, 33.1435,
91.2152

■ 29.7569, 33.1435,
91.2152

■ 29.7532, 33.1358,
91.2146

■ 31.6442, 36.3385,
91.7331

■ 34.1145, 39.9731,
92.3045

■ 37.3218, 44.1298,
92.9378

■ 41.3588, 48.8585,
93.6377

■ 46.3036, 54.2019,
94.4085

■ 52.2244, 60.1973,
95.2537

■ 59.1826, 66.8785,
96.1765

■ 67.2343, 74.2767,
97.1802

■ 76.4314, 82.4206,
98.2673

Harmonies

Analogous

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



23.8382, 33.1435, 77.4944



29.7569, 33.1435, 91.2152



37.1111, 33.1435, 86.2840

Triad

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



29.7569, 33.1435, 91.2152



46.0446, 33.1435, 22.9254



21.7576, 33.1435, 17.0051

Complementary

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



29.7569, 33.1435, 91.2152



40.6045, 25.3080, 2.7468

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.



26.4885, 33.1435, 10.5085



29.7569, 33.1435, 91.2152



40.6537, 33.1435, 12.9084

Square

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



29.7569, 33.1435, 91.2152



47.2727, 33.1435, 41.4237



33.3138, 33.1435, 9.3636



19.6982, 33.1435, 31.2307

Rectangle

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



29.7569, 33.1435, 91.2152



41.8017, 33.1435, 73.7196



33.3138, 33.1435, 9.3636



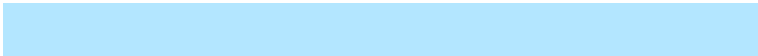
23.0503, 33.1435, 14.1055

Sweetspot

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



29.7582, 33.1446, 91.2161



64.7388, 73.1717, 105.3192



34.0155, 65.8506, 18.0563



13.1381, 14.9806, 22.4490



0.0000, 0.0000, 0.0000



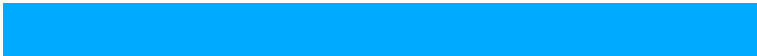
20.3446, 21.4041, 23.3091

Same Dimension

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



29.7582, 33.1446, 91.2161



32.5508, 36.2216, 99.8836



17.4198, 8.4679, 87.1033



16.5080, 17.7803, 21.1044



16.1607, 18.1151, 49.1828



1.5143, 1.7799, 4.3540

Inverse Universe

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



44.3583, 22.0946, 37.0494



48.5593, 24.1877, 40.4731



58.3336, 60.7663, 8.6566



16.9670, 16.6697, 19.5728



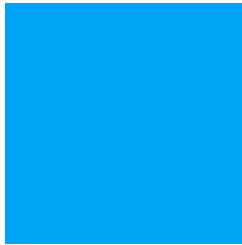
23.9617, 11.9281, 20.3043



2.1534, 1.0673, 2.0341

Previews

White Background



This preview shows how the XYZ color 29.7569, 33.1435, 91.2152 looks on a white background.

Color Contrast Check

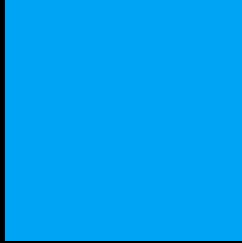
Large Text (above 18pt) WCAG AA × Fail

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 29.7569, 33.1435, 91.2152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

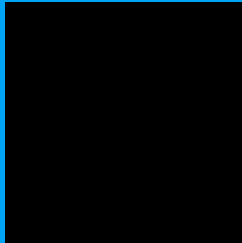
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

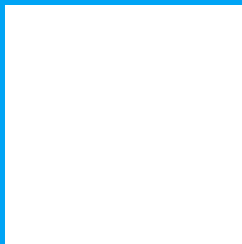
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7569, 33.1435, 91.2152

Background



This preview shows how black text looks on a background with the XYZ color 29.7569, 33.1435, 91.2152.



This preview shows how white text looks on a background with the XYZ color 29.7569, 33.1435,

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

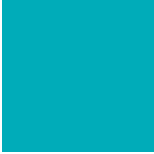
29.7569, 33.1435, 91.2152

Protanopia

34.8278, 32.8903, 83.1101

Deuteranopia

33.9893, 32.9829, 92.5706



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

29.7569, 33.1435, 91.2152



Protanomaly

30.7767, 31.7144, 86.1607



Deuteranomaly

31.0414, 32.2314, 91.7740



Tritanomaly

25.4505, 32.8809, 64.0368

Monochromacy



Original Color

29.7569, 33.1435, 91.2152



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

19.5250, 22.9547, 40.4474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7569, 33.1435, 91.2152 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 245) }
```

Border

The CSS property to change the border of an element to XYZ 29.7569, 33.1435, 91.2152 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, 245) }
```


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

```
.border{ border-color:rgb(0, 164, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7569, 33.1435, 91.2152 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, 245) }
```

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

```
.background{ background-color: rgb(0, 164,  
245) }
```

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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