

Converting Colors

XYZ(12.5610, 21.8780, 82.2540)

Have a look what the booklet for
XYZ(12.5610, 21.8780, 82.2540)
contains.

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Color

**XYZ(26.5510, 29.1094,
82.8165)**

Conversions

Conversions Part 1

Format	Color
Hex	009AEB
RGB	0, 154, 235
RGB Percent	0%, 60%, 92%
CMY	0.9998, 0.3961, 0.0784
CMYK	1.00, 0.34, 0.00, 0.08
HSL	201°, 100%, 46%
HSV	201°, 100%, 92%
XYZ	26.5510, 29.1094, 82.8165
YIQ	117.1880, -117.7850, -7.4570

Conversions

Conversions Part 2

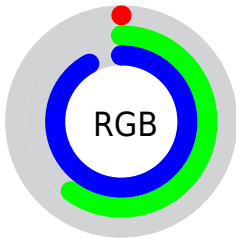
Format	Color
R _{YB}	0, 93, 235
Decimal	39659
CIE Lab	60.88, -4.52, -50.02
CIE LCh	61, 50.220, 264.837
Yxy	29.1094, 0.1917, 0.2102
Android (android.graphics.Color)	4278229739 (0xFF009AEB)
YUV	117.1880, 58.0813, -102.7739
Hunter-Lab	53.9531, -6.5759, -53.2413

Details

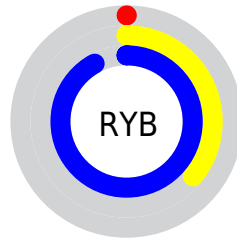
The XYZ color **26.5510, 29.1094, 82.8165** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **37.2086, 23.5565, 2.5875**, and the grayscale version is **16.8247, 17.7009, 19.2763**.

A 20% lighter version of the original color is **46.6693, 55.4576, 102.8524**, and **12.9869, 12.9552, 44.4639** is the 20% darker color. If you saturate the color by 10%, you get **26.5478, 29.1028, 82.8160**, and if you desaturate by 10%, it is **28.3005, 32.0643, 83.2953**.

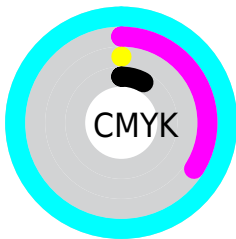
Distribution



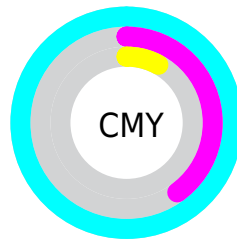
- Red (0%)
- Green (60%)
- Blue (92%)



- Red (0%)
- Yellow (36%)
- Blue (92%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (40%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.5510, 29.1094, 82.8165 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 26.5510, 29.1094, 82.8165 by changing the saturation by 10% instead.

■ 26.5510, 29.1094,
82.8165

■ 26.5510, 29.1094,
82.8165

277.6839,
297.7308, 524.3297

■ 17.3711, 19.1636,
61.4991

■ 53.5875, 58.2509,
139.1654

■ 10.5964, 11.7885,
44.1949

■ 72.1749, 78.2153,
175.0339

■ 5.8614, 6.5999,
30.4854

■ 94.6288, 102.2881,
216.5898

■ 2.8009, 3.2131,
19.9522

■ 121.3146,
130.8536, 264.2517

■ 1.0493, 1.2440,
12.1765

■ 152.5976,
164.2962, 318.4381

■ 0.0000, 0.0972,
6.7400

188.8433,

■ 0.0000, 0.0000,

203.0004, 379.5675

3.2241

230.4169,
247.3504, 448.0586

■ 0.0000, 0.0000,
1.2102

■ 0.0000, 0.0000,
0.0000

■ 26.5510, 29.1094,
82.8165

■ 26.5510, 29.1094,
82.8165

■ 26.5478, 29.1028,
82.8160

■ 28.3005, 32.0643,
83.2953

■ 30.5840, 35.4307,
83.8247

■ 33.5438, 39.2847,
84.4126

■ 37.2634, 43.6720,
85.0634

■ 41.8134, 48.6311,
85.7808

■ 47.2556, 54.1962,
86.5681

■ 53.6456, 60.3983,
87.4285

■ 61.0342, 67.2658,
88.3646

■ 69.4684, 74.8249,
89.3791

Harmonies

Analogous

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



21.0371, 29.1094, 71.2111



26.5510, 29.1094, 82.8165



33.2948, 29.1094, 76.9183

Triad

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



26.5510, 29.1094, 82.8165



40.7253, 29.1094, 18.8434



18.6054, 29.1094, 15.1456

Complementary

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



26.5510, 29.1094, 82.8165



37.2086, 23.5565, 2.5875

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.



22.7131, 29.1094, 8.9544



26.5510, 29.1094, 82.8165



35.5627, 29.1094, 10.4240

Square

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



26.5510, 29.1094, 82.8165



42.1818, 29.1094, 35.0489



28.8151, 29.1094, 7.6515



16.9353, 29.1094, 28.5626

Rectangle

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



26.5510, 29.1094, 82.8165



37.5186, 29.1094, 64.7197



28.8151, 29.1094, 7.6515



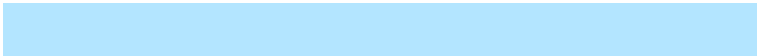
19.7121, 29.1094, 12.3976

Sweetspot

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



26.5521, 29.1103, 82.8173



64.4408, 72.5757, 105.2199



31.0980, 59.9730, 17.2154



13.0668, 14.8381, 22.4253



0.0000, 0.0000, 0.0000



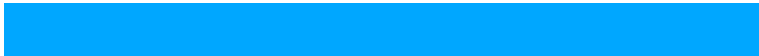
20.3446, 21.4041, 23.3091

Same Dimension

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



26.5521, 29.1103, 82.8173



31.8841, 34.8883, 99.6614



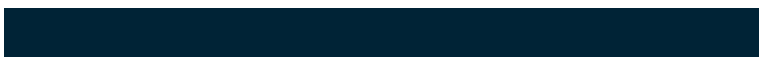
15.7290, 7.4641, 79.2095



15.0552, 16.1967, 19.2550



14.8985, 16.4439, 46.1317



1.2589, 1.4694, 3.6521

Inverse Universe

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



40.0947, 19.9968, 32.3191



48.2228, 24.0531, 38.7011



53.9664, 57.0721, 8.1735



15.4814, 15.2204, 17.8203



22.3754, 11.1528, 18.3098



1.8020, 0.8937, 1.6745

Previews

White Background



This preview shows how the XYZ color 26.5510, 29.1094, 82.8165 looks on a white background.

Color Contrast Check

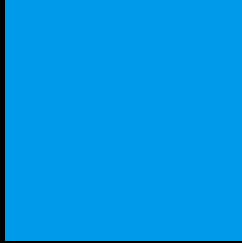
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5510, 29.1094, 82.8165 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 × Fail

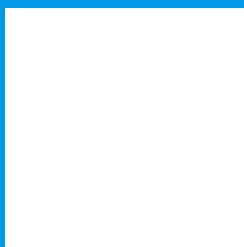
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.5510, 29.1094, 82.8165

Background



This preview shows how black text looks on a background with the XYZ color 26.5510, 29.1094, 82.8165.

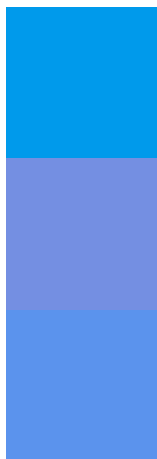


This preview shows how white text looks on a background with the XYZ color 26.5510, 29.1094,

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

26.5510, 29.1094, 82.8165

Protanopia

30.7524, 28.8489, 75.8991

Deuteranopia

30.0342, 29.2060, 84.1751



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

26.5510, 29.1094, 82.8165

Protanomaly

27.4006, 27.9804, 78.0853

Deuteranomaly

27.7916, 28.7684, 83.4450

Tritanomaly

22.3619, 28.7818, 56.6014

Monochromacy



Original Color

26.5510, 29.1094, 82.8165

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.1518, 19.9592, 36.2062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.5510, 29.1094, 82.8165 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, 154, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 235)  
}
```

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, 154, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 235) }
```

Border

The CSS property to change the border of an element to XYZ 26.5510, 29.1094, 82.8165 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, 154, 235) }
```


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

```
.border{ border-color:rgb(0, 154, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 26.5510, 29.1094, 82.8165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 235) }
```

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

```
.background{ background-color: rgb(0, 154,  
235) }
```

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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