

Converting Colors

XYZ(19.8703, 26.7771, 84.1291)

Have a look what the booklet for
XYZ(19.8703, 26.7771, 84.1291)
contains.

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Color

**XYZ(27.6842, 30.9107,
84.6280)**

Conversions

Conversions Part 1

Format	Color
Hex	009FED
RGB	0, 159, 237
RGB Percent	0%, 62%, 93%
CMY	0.9997, 0.3765, 0.0706
CMYK	1.00, 0.33, 0.00, 0.07
HSL	200°, 100%, 46%
HSV	200°, 100%, 93%
XYZ	27.6842, 30.9107, 84.6280
YIQ	120.3510, -119.8020, -9.4500

Conversions

Conversions Part 2

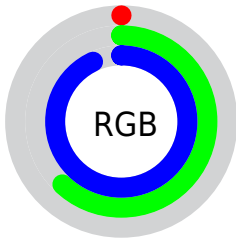
Format	Color
RYB	0, 95, 237
Decimal	40941
CIELab	62.43, -6.63, -48.66
CIELCh	62, 49.108, 262.238
Yxy	30.9107, 0.1933, 0.2158
Android (android.graphics.Color)	4278231021 (0xFF009FED)
YUV	120.3510, 57.5080, -105.5478
Hunter-Lab	55.5974, -8.4130, -51.3306

Details

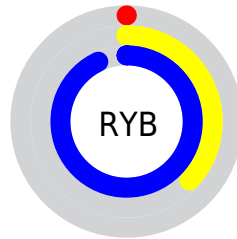
The XYZ color **27.6842, 30.9107, 84.6280** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **37.6547, 23.4627, 2.5460**, and the grayscale version is **17.8206, 18.7486, 20.4172**.

A 20% lighter version of the original color is **48.0286, 57.9966, 103.2708**, and **13.7031, 14.0613, 45.7079** is the 20% darker color. If you saturate the color by 10%, you get **27.6809, 30.9039, 84.6275**, and if you desaturate by 10%, it is **29.4401, 33.8713, 85.1076**.

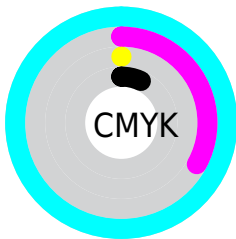
Distribution



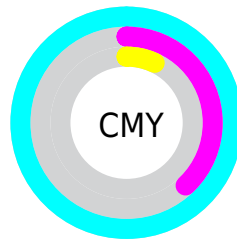
- Red (0%)
- Green (62%)
- Blue (93%)



- Red (0%)
- Yellow (37%)
- Blue (93%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6842, 30.9107, 84.6280 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 27.6842, 30.9107, 84.6280 by changing the saturation by 10% instead.

■ 27.6842, 30.9107,
84.6280

■ 27.6842, 30.9107,
84.6280

283.0623,
306.1267, 530.5088

■ 18.2270, 20.5309,
62.9857

■ 55.3920, 61.0995,
141.7229

■ 11.2137, 12.7815,
45.3887

■ 74.3734, 81.6771,
178.0125

■ 6.2791, 7.2783,
31.4185

■ 97.2601, 106.4229,
220.0216

■ 3.0578, 3.6367,
20.6566

■ 124.4176,
135.7212, 268.1688

■ 1.1844, 1.4725,
12.6844

■ 156.2112,
169.9563, 322.8725

■ 0.0940, 0.2693,
7.0834

193.0063,

■ 0.0000, 0.0000,

209.5126, 384.5514

3.4351

235.1682,
254.7746, 453.6240

■ 0.0000, 0.0000,
1.3209

■ 0.0000, 0.0000,
0.0788

■ 27.6842, 30.9107,
84.6280

■ 27.6842, 30.9107,
84.6280

■ 27.6809, 30.9039,
84.6275

■ 29.4401, 33.8713,
85.1076

■ 31.7334, 37.2366,
85.6363

■ 34.7084, 41.0835,
86.2220

■ 38.4504, 45.4580,
86.8691

■ 43.0312, 50.3993,
87.5815

■ 48.5137, 55.9418,
88.3623

■ 54.9543, 62.1167,
89.2148

■ 62.4049, 68.9526,
90.1415

■ 70.9132, 76.4759,
91.1452

Harmonies

Analogous

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



22.2161, 30.9107, 71.7622



27.6842, 30.9107, 84.6280



34.4963, 30.9107, 80.2828

Triad

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



27.6842, 30.9107, 84.6280



42.8952, 30.9107, 21.5996



20.3760, 30.9107, 15.8256

Complementary

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



27.6842, 30.9107, 84.6280



37.6547, 23.4627, 2.5460

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.



24.7958, 30.9107, 9.8470



27.6842, 30.9107, 84.6280



37.9382, 30.9107, 12.1947

Square

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



27.6842, 30.9107, 84.6280



43.9788, 30.9107, 38.8557



31.1430, 30.9107, 8.8303



18.4322, 30.9107, 28.9431

Rectangle

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



27.6842, 30.9107, 84.6280



38.8537, 30.9107, 68.7561



31.1430, 30.9107, 8.8303



21.5864, 30.9107, 13.1543

Sweetspot

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



27.6854, 30.9117, 84.6288



64.7707, 73.2356, 105.3298



31.5585, 61.0786, 16.7996



13.1457, 14.9959, 22.4516



0.0000, 0.0000, 0.0000



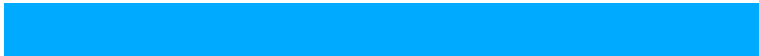
20.3446, 21.4041, 23.3091

Same Dimension

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



27.6854, 30.9117, 84.6288



32.6231, 36.3662, 99.9077



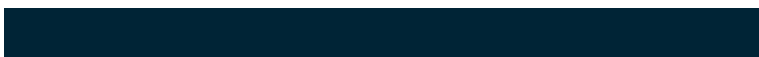
16.1693, 7.8795, 80.7901



15.0756, 16.2376, 19.2619



15.2376, 17.1222, 46.2448



1.2838, 1.5191, 3.6604

Inverse Universe

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



41.1842, 20.5093, 34.5896



48.5958, 24.2023, 40.6653



54.1203, 56.3940, 8.0345



15.4917, 15.2245, 17.8747



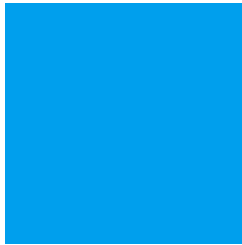
22.5465, 11.2213, 19.2112



1.8145, 0.8988, 1.7406

Previews

White Background



This preview shows how the XYZ color 27.6842, 30.9107, 84.6280 looks on a white background.

Color Contrast Check

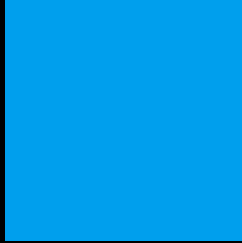
Large Text (above 18pt) WCAG AA × Fail

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 27.6842, 30.9107, 84.6280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

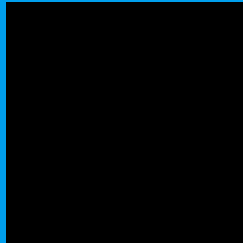
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

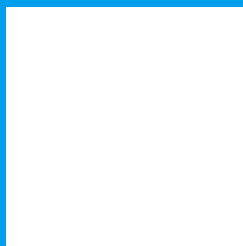
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6842, 30.9107, 84.6280

Background



This preview shows how black text looks on a background with the XYZ color 27.6842, 30.9107, 84.6280.

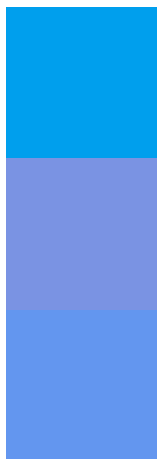


This preview shows how white text looks on a background with the XYZ color 27.6842, 30.9107,

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

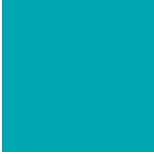
27.6842, 30.9107, 84.6280

Protanopia

32.3249, 30.5511, 76.8663

Deuteranopia

31.6319, 30.6973, 85.9194



Tritanopia

21.9554, 30.8921, 47.4534

Trichromacy



Original Color

27.6842, 30.9107, 84.6280



Protanomaly

28.6323, 29.5224, 79.7906



Deuteranomaly

28.8737, 30.0123, 85.1601



Tritanomaly

23.7008, 30.7210, 59.3242

Monochromacy



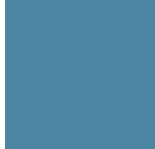
Original Color

27.6842, 30.9107, 84.6280



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

18.1164, 21.2310, 37.7935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6842, 30.9107, 84.6280 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, 159, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 237)  
}
```

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, 159, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 237) }
```

Border

The CSS property to change the border of an element to XYZ 27.6842, 30.9107, 84.6280 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, 159, 237) }
```


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

```
.border{ border-color:rgb(0, 159, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6842, 30.9107, 84.6280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 237) }
```

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

```
.background{ background-color: rgb(0, 159,  
237) }
```

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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