

Converting Colors

XYZ(27.9302, 30.7654, 86.6985)

Have a look what the booklet for
XYZ(27.9302, 30.7654, 86.6985)
contains.

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Color

**XYZ(27.9550, 30.7450,
86.8991)**

Conversions

Conversions Part 1

Format	Color
Hex	009EF0
RGB	0, 158, 240
RGB Percent	0%, 62%, 94%
CMY	0.9998, 0.3804, 0.0588
CMYK	1.00, 0.34, 0.00, 0.06
HSL	201°, 100%, 47%
HSV	201°, 100%, 94%
XYZ	27.9550, 30.7450, 86.8991
YIQ	120.1060, -120.4900, -7.9940

Conversions

Conversions Part 2

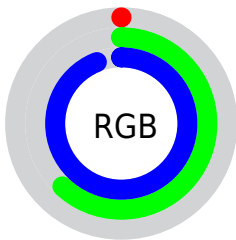
Format	Color
RYB	0, 95, 240
Decimal	40688
CIELab	62.29, -4.95, -50.53
CIELCh	62, 50.772, 264.405
Yxy	30.7450, 0.1920, 0.2112
Android (android.graphics.Color)	4278230768 (0xFF009EF0)
YUV	120.1060, 59.1077, -105.3330
Hunter-Lab	55.4482, -7.0409, -54.1063

Details

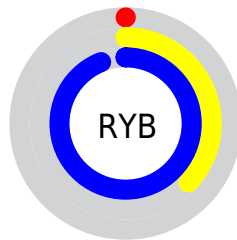
The XYZ color **27.9550, 30.7450, 86.8991** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **38.9577, 24.5693, 2.6908**, and the grayscale version is **17.7373, 18.6611, 20.3219**.

A 20% lighter version of the original color is **47.7778, 57.4951, 103.1873**, and **13.8049, 13.9343, 46.7617** is the 20% darker color. If you saturate the color by 10%, you get **27.9518, 30.7384, 86.8987**, and if you desaturate by 10%, it is **29.7797, 33.8328, 87.3996**.

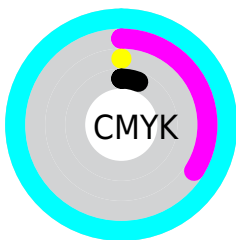
Distribution



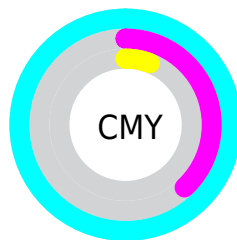
- Red (0%)
- Green (62%)
- Blue (94%)



- Red (0%)
- Yellow (37%)
- Blue (94%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (38%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9550, 30.7450, 86.8991 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 27.9550, 30.7450, 86.8991 by changing the saturation by 10% instead.

■ 27.9550, 30.7450,
86.8991

■ 27.9550, 30.7450,
86.8991

284.3358,
305.3618, 538.1989

■ 18.4320, 20.4048,
64.8526

■ 55.8217, 60.8384,
144.9211

■ 11.3622, 12.6896,
46.8910

■ 74.8962, 81.3603,
181.7337

■ 6.3801, 7.2152,
32.5957

■ 97.8852, 106.0449,
224.3053

■ 3.1204, 3.5970,
21.5484

■ 125.1541,
135.2765, 273.0546

■ 1.2177, 1.4508,
13.3303

■ 157.0683,
169.4397, 328.4001

■ 0.1203, 0.2537,
7.5230

193.9930,

■ 0.0000, 0.0000,

208.9187, 390.7602

3.7079

236.2938,
254.0979, 460.5536

■ 0.0000, 0.0000,
1.4665

■ 0.0000, 0.0000,
0.1928

■ 27.9550, 30.7450,
86.8991

■ 27.9550, 30.7450,
86.8991

■ 27.9518, 30.7384,
86.8987

■ 29.7797, 33.8328,
87.3996

■ 32.1647, 37.3503,
87.9529

■ 35.2581, 41.3768,
88.5670

■ 39.1480, 45.9601,
89.2467

■ 43.9088, 51.1411,
89.9958

■ 49.6054, 56.9555,
90.8178

■ 56.2965, 63.4359,
91.7160

■ 64.0354, 70.6120,
92.6932

■ 72.8716, 78.5116,
93.7523

Harmonies

Analogous

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



22.1978, 30.7450, 74.5443



27.9550, 30.7450, 86.8991



35.0177, 30.7450, 81.0026

Triad

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



27.9550, 30.7450, 86.8991



42.9541, 30.7450, 20.1684



19.7557, 30.7450, 15.9517

Complementary

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



27.9550, 30.7450, 86.8991



38.9577, 24.5693, 2.6908

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.



24.1043, 30.7450, 9.5143



27.9550, 30.7450, 86.8991



37.5912, 30.7450, 11.1968

Square

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



27.9550, 30.7450, 86.8991



44.4126, 30.7450, 37.2957



30.5271, 30.7450, 8.1989



17.9629, 30.7450, 29.9266

Rectangle

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



27.9550, 30.7450, 86.8991



39.4570, 30.7450, 68.3635



30.5271, 30.7450, 8.1989



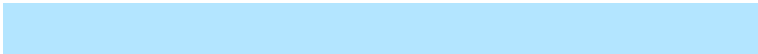
20.9306, 30.7450, 13.0918

Sweetspot

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



27.9562, 30.7460, 86.8999



64.5046, 72.7033, 105.2411



32.6106, 62.9009, 18.0198



13.0821, 14.8686, 22.4304



0.0000, 0.0000, 0.0000



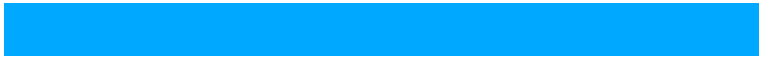
20.3446, 21.4041, 23.3091

Same Dimension

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



27.9562, 30.7460, 86.8999



32.0256, 35.1713, 99.7085



16.4896, 7.8128, 83.0777



15.7661, 16.9663, 20.1655



15.4296, 17.0834, 47.6121



1.3756, 1.6052, 3.9915

Inverse Universe

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



42.1078, 20.9954, 34.1816



48.2943, 24.0817, 39.0772



56.5927, 59.8392, 8.5691



16.2114, 15.9343, 18.6693



23.1138, 11.5179, 19.0474



1.9693, 0.9768, 1.8291

Previews

White Background



This preview shows how the XYZ color 27.9550, 30.7450, 86.8991 looks on a white background.

Color Contrast Check

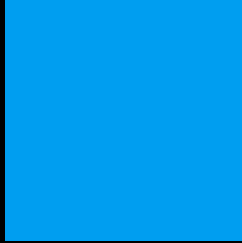
Large Text (above 18pt) WCAG AA × Fail

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 27.9550, 30.7450, 86.8991 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

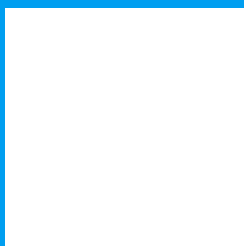
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.9550, 30.7450, 86.8991

Background



This preview shows how black text looks on a background with the XYZ color 27.9550, 30.7450, 86.8991.

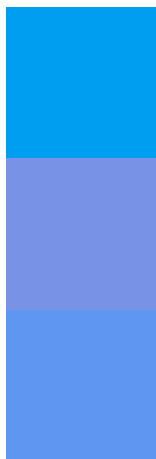


This preview shows how white text looks on a background with the XYZ color 27.9550, 30.7450,

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

27.9550, 30.7450, 86.8991

Protanopia

32.4624, 30.5737, 79.0533

Deuteranopia

31.6527, 30.6564, 88.2534



Tritanopia

21.6721, 30.4868, 46.8618

Trichromacy



Original Color

27.9550, 30.7450, 86.8991

Protanomaly

28.8984, 29.6102, 82.0341

Deuteranomaly

29.1319, 30.0940, 87.4924

Tritanomaly

23.6398, 30.4114, 59.8824

Monochromacy



Original Color

27.9550, 30.7450, 86.8991

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2064, 21.2670, 38.2673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9550, 30.7450, 86.8991 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, 158, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 240)  
}
```

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, 158, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 240) }
```

Border

The CSS property to change the border of an element to XYZ 27.9550, 30.7450, 86.8991 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, 158, 240) }
```


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

```
.border{ border-color:rgb(0, 158, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9550, 30.7450, 86.8991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 240) }
```

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

```
.background{ background-color: rgb(0, 158,  
240) }
```

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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