

Converting Colors

XYZ(26.4984, 31.8598, 76.8190)

Have a look what the booklet for
XYZ(26.4984, 31.8598, 76.8190)
contains.

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Color

**XYZ(27.0029, 32.0419,
76.7130)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4E2
RGB	0, 164, 226
RGB Percent	0%, 64%, 89%
CMY	0.9998, 0.3569, 0.1137
CMYK	1.00, 0.27, 0.00, 0.11
HSL	196°, 100%, 44%
HSV	196°, 100%, 89%
XYZ	27.0029, 32.0419, 76.7130
YIQ	122.0320, -117.6460, -15.4860

Conversions

Conversions Part 2

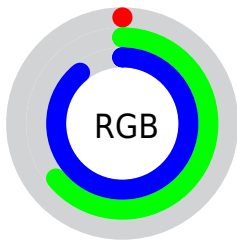
Format	Color
RYB	0, 95, 226
Decimal	42210
CIELab	63.38, -13.45, -41.11
CIELCh	63, 43.251, 251.884
Yxy	32.0419, 0.1989, 0.2360
Android (android.graphics.Color)	4278232290 (0xFF00A4E2)
YUV	122.0320, 51.2562, -107.0221
Hunter-Lab	56.6056, -13.9088, -40.7271

Details

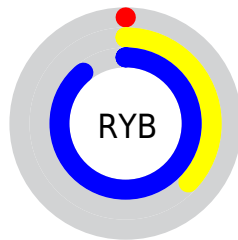
The XYZ color **27.0029, 32.0419, 76.7130** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.0902, 19.6202, 2.0446**, and the grayscale version is **18.3804, 19.3377, 21.0587**.

A 20% lighter version of the original color is **49.2072, 60.8863, 103.7665**, and **13.0499, 14.4906, 40.1394** is the 20% darker color. If you saturate the color by 10%, you get **27.0006, 32.0371, 76.7129**, and if you desaturate by 10%, it is **28.4860, 34.4949, 77.1090**.

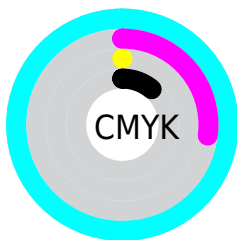
Distribution



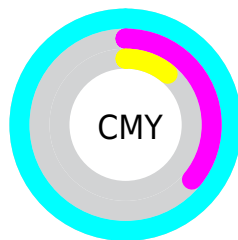
- Red (0%)
- Green (64%)
- Blue (89%)



- Red (0%)
- Yellow (37%)
- Blue (89%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0029, 32.0419, 76.7130 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 27.0029, 32.0419, 76.7130 by changing the saturation by 10% instead.

■ 27.0029, 32.0419,
76.7130

■ 27.0029, 32.0419,
76.7130

279.8385,
311.3101, 503.1966

■ 17.7120, 21.3935,
56.5072

■ 54.3084, 62.8768,
130.5036

■ 10.8418, 13.4119,
40.2030

■ 73.0537, 83.8320,
164.9254

■ 6.0271, 7.7128,
27.3819

■ 95.6811, 108.9917,
204.9231

■ 2.9024, 3.9117,
17.6253

■ 122.5561,
138.7402, 250.9150

■ 1.1024, 1.6243,
10.5146

■ 154.0440,
173.4619, 303.3198

■ 0.0271, 0.3739,
5.6314

190.5101,

■ 0.0000, 0.0000,

213.5412, 362.5559

2.5572

232.3198,
259.3624, 429.0420

■ 0.0000, 0.0000,
0.8702

■ 0.0000, 0.0000,
0.0000

■ 27.0029, 32.0419,
76.7130

■ 27.0029, 32.0419,
76.7130

■ 27.0006, 32.0371,
76.7129

■ 28.4860, 34.4949,
77.1090

■ 30.4259, 37.2644,
77.5413

■ 32.9538, 40.4195,
78.0171

■ 36.1448, 44.0001,
78.5400

■ 40.0620, 48.0397,
79.1133

■ 44.7609, 52.5680,
79.7397

■ 50.2913, 57.6116,
80.4217

■ 56.6988, 63.1951,
81.1617

■ 64.0253, 69.3409,
81.9618

Harmonies

Analogous

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



22.6401, 32.0419, 61.9577



27.0029, 32.0419, 76.7130



32.8956, 32.0419, 78.2977

Triad

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



27.0029, 32.0419, 76.7130



43.2125, 32.0419, 28.5105



23.3767, 32.0419, 15.6021

Complementary

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



27.0029, 32.0419, 76.7130



33.0902, 19.6202, 2.0446

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.



28.1379, 32.0419, 11.4983



27.0029, 32.0419, 76.7130



39.8881, 32.0419, 17.1370

Square

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



27.0029, 32.0419, 76.7130



42.8034, 32.0419, 46.2171



34.1892, 32.0419, 11.9482



20.7440, 32.0419, 25.5806

Rectangle

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



27.0029, 32.0419, 76.7130



36.9716, 32.0419, 71.1853



34.1892, 32.0419, 11.9482



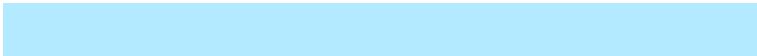
24.7528, 32.0419, 13.6646

Sweetspot

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



27.0041, 32.0430, 76.7138



65.9503, 75.5947, 105.7230



28.0211, 54.7231, 13.4035



13.4283, 15.5612, 22.5458



0.0000, 0.0000, 0.0000



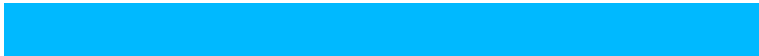
20.3446, 21.4041, 23.3091

Same Dimension

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



27.0041, 32.0430, 76.7138



35.4049, 41.9298, 100.8350



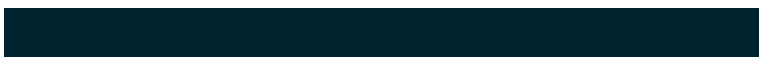
14.9912, 8.0172, 72.7095



13.7820, 14.9030, 17.5379



15.5077, 18.4849, 43.7990



1.1485, 1.4284, 3.0604

Inverse Universe

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



38.0659, 18.8505, 36.7550



49.9999, 24.7640, 48.0593



46.3620, 46.1638, 6.4686



14.1262, 13.8681, 16.4345



21.7678, 10.7741, 21.2405



1.5459, 0.7616, 1.6678

Previews

White Background



This preview shows how the XYZ color 27.0029, 32.0419, 76.7130 looks on a white background.

Color Contrast Check

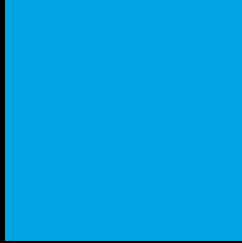
Large Text (above 18pt) WCAG AA × Fail

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 27.0029, 32.0419, 76.7130 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

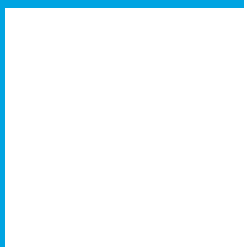
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0029, 32.0419, 76.7130

Background



This preview shows how black text looks on a background with the XYZ color 27.0029, 32.0419, 76.7130.

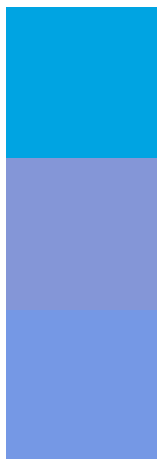


This preview shows how white text looks on a background with the XYZ color 27.0029, 32.0419,

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

27.0029, 32.0419, 76.7130

Protanopia

32.6878, 31.6245, 68.6713

Deuteranopia

32.7072, 31.8955, 78.5613



Tritanopia

22.8182, 32.1268, 49.2544

Trichromacy



Original Color

27.0029, 32.0419, 76.7130



Protanomaly

28.1637, 30.4420, 71.4093



Deuteranomaly

28.7161, 30.8342, 77.8369



Tritanomaly

24.1957, 32.0825, 58.3434

Monochromacy



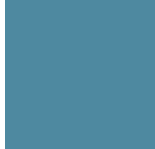
Original Color

27.0029, 32.0419, 76.7130



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.4327, 22.0491, 36.5421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0029, 32.0419, 76.7130 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 226) }
```

Border

The CSS property to change the border of an element to XYZ 27.0029, 32.0419, 76.7130 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, 226) }
```


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

```
.border{ border-color:rgb(0, 164, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0029, 32.0419, 76.7130 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, 226) }
```

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

```
.background{ background-color: rgb(0, 164,  
226) }
```

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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