

Converting Colors

XYZ(27.1595, 32.2911, 76.9623)

Have a look what the booklet for
XYZ(27.1595, 32.2911, 76.9623)
contains.

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Color

**XYZ(27.1826, 32.4013,
76.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5E2
RGB	0, 165, 226
RGB Percent	0%, 65%, 89%
CMY	0.9998, 0.3529, 0.1137
CMYK	1.00, 0.27, 0.00, 0.11
HSL	196°, 100%, 44%
HSV	196°, 100%, 89%
XYZ	27.1826, 32.4013, 76.7729
YIQ	122.6190, -117.9210, -16.0090

Conversions

Conversions Part 2

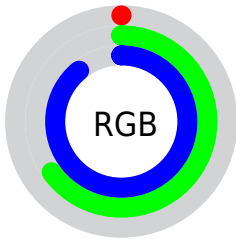
Format	Color
RYB	0, 95, 226
Decimal	42466
CIELab	63.67, -14.00, -40.64
CIELCh	64, 42.985, 250.999
Yxy	32.4013, 0.1993, 0.2376
Android (android.graphics.Color)	4278232546 (0xFF00A5E2)
YUV	122.6190, 50.9668, -107.5369
Hunter-Lab	56.9221, -14.3729, -40.1210

Details

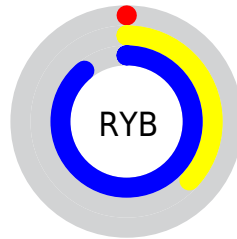
The XYZ color **27.1826, 32.4013, 76.7729** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.0363, 19.5123, 2.0266**, and the grayscale version is **18.5729, 19.5401, 21.2792**.

A 20% lighter version of the original color is **49.5871, 61.4706, 103.8592**, and **13.1608, 14.7125, 40.1764** is the 20% darker color. If you saturate the color by 10%, you get **27.1804, 32.3966, 76.7728**, and if you desaturate by 10%, it is **28.6556, 34.8340, 77.1655**.

Distribution



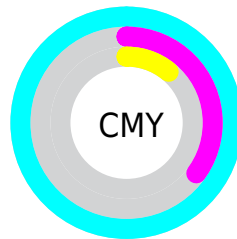
- Red (0%)
- Green (65%)
- Blue (89%)



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



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



- Cyan (100%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1826, 32.4013, 76.7729 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 27.1826, 32.4013, 76.7729 by changing the saturation by 10% instead.

■ 27.1826, 32.4013,
76.7729

■ 27.1826, 32.4013,
76.7729

280.6916,
312.9433, 503.4065

■ 17.8477, 21.6682,
56.5561

■ 54.5946, 63.4397,
130.5889

■ 10.9397, 13.6133,
40.2419

■ 73.4023, 84.5137,
165.0252

■ 6.0933, 7.8522,
27.4120

■ 96.0985, 109.8036,
205.0384

■ 2.9431, 4.0005,
17.6477

■ 123.0483,
139.6936, 251.0470

■ 1.1237, 1.6739,
10.5306

■ 154.6171,
174.5682, 303.4695

■ 0.0448, 0.4066,
5.6419

191.1704,

■ 0.0000, 0.0000,

214.8117, 362.7246

2.5634

233.0735,
260.8086, 429.2307

■ 0.0000, 0.0000,
0.8735

■ 0.0000, 0.0000,
0.0000

■ 27.1826, 32.4013,
76.7729

■ 27.1826, 32.4013,
76.7729

■ 27.1804, 32.3966,
76.7728

■ 28.6556, 34.8340,
77.1655

■ 30.5837, 37.5800,
77.5939

■ 33.0982, 40.7082,
78.0652

■ 36.2739, 44.2584,
78.5831

■ 40.1742, 48.2642,
79.1507

■ 44.8544, 52.7550,
79.7708

■ 50.3643, 57.7575,
80.4460

■ 56.7493, 63.2960,
81.1785

■ 64.0515, 69.3933,
81.9705

Harmonies

Analogous

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



22.8672, 32.4013, 61.7727



27.1826, 32.4013, 76.7729



33.0559, 32.4013, 78.7994

Triad

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



27.1826, 32.4013, 76.7729



43.6002, 32.4013, 29.3306



23.8158, 32.4013, 15.7222

Complementary

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



27.1826, 32.4013, 76.7729



33.0363, 19.5123, 2.0266

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.



28.6424, 32.4013, 11.7326



27.1826, 32.4013, 76.7729



40.3748, 32.4013, 17.7072

Square

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



27.1826, 32.4013, 76.7729



43.0757, 32.4013, 47.1988



34.7172, 32.4013, 12.3163



21.1053, 32.4013, 25.5575

Rectangle

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



27.1826, 32.4013, 76.7729



37.1444, 32.4013, 71.9643



34.7172, 32.4013, 12.3163



25.2164, 32.4013, 13.8244

Sweetspot

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



27.1838, 32.4024, 76.7737



66.0468, 75.7877, 105.7552



28.0211, 54.7231, 13.4035



13.4515, 15.6075, 22.5535



0.0000, 0.0000, 0.0000



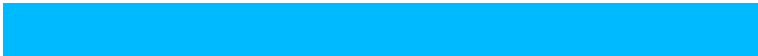
20.3446, 21.4041, 23.3091

Same Dimension

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



27.1838, 32.4024, 76.7737



35.6420, 42.4040, 100.9140



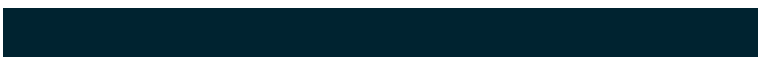
14.9912, 8.0172, 72.7095



13.7873, 14.9136, 17.5396



15.6093, 18.6882, 43.8328



1.1548, 1.4411, 3.0625

Inverse Universe

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



38.1566, 18.8868, 37.2327



50.1196, 24.8119, 48.6896



46.3620, 46.1638, 6.4686



14.1288, 13.8692, 16.4486



21.8191, 10.7946, 21.5107



1.5492, 0.7629, 1.6847

Previews

White Background



This preview shows how the XYZ color 27.1826, 32.4013, 76.7729 looks on a white background.

Color Contrast Check

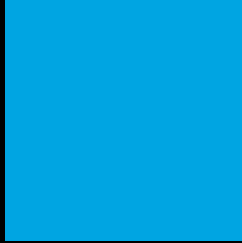
Large Text (above 18pt) WCAG AA × Fail

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 27.1826, 32.4013, 76.7729 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 27.1826, 32.4013, 76.7729

Background



This preview shows how black text looks on a background with the XYZ color 27.1826, 32.4013, 76.7729.

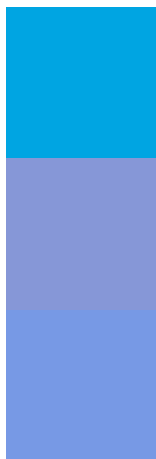


This preview shows how white text looks on a background with the XYZ color 27.1826, 32.4013,

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

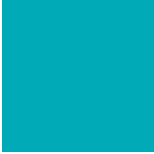
27.1826, 32.4013, 76.7729

Protanopia

33.1639, 32.1078, 68.7395

Deuteranopia

33.1418, 32.3615, 78.6284



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

27.1826, 32.4013, 76.7729



Protanomaly

28.4210, 30.8227, 71.4693



Deuteranomaly

29.0411, 31.2519, 77.9004



Tritanomaly

24.3114, 32.1288, 58.9530

Monochromacy



Original Color

27.1826, 32.4013, 76.7729



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

18.5755, 22.3347, 36.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1826, 32.4013, 76.7729 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, 165, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 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, 165, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 226) }
```

Border

The CSS property to change the border of an element to XYZ 27.1826, 32.4013, 76.7729 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, 165, 226) }
```


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

```
.border{ border-color:rgb(0, 165, 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, 165, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1826, 32.4013, 76.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 226) }
```

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

```
.background{ background-color: rgb(0, 165,  
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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