

Converting Colors

XYZ(15.5735, 28.2361, 71.2262)

Have a look what the booklet for
XYZ(15.5735, 28.2361, 71.2262)
contains.

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Color

**XYZ(27.2178, 34.1878,
71.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABDA
RGB	0, 171, 218
RGB Percent	0%, 67%, 85%
CMY	0.9998, 0.3294, 0.1451
CMYK	1.00, 0.22, 0.00, 0.15
HSL	193°, 100%, 43%
HSV	193°, 100%, 85%
XYZ	27.2178, 34.1878, 71.4940
YIQ	125.2290, -117.0030, -21.6350

Conversions

Conversions Part 2

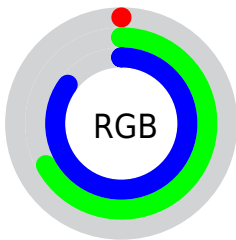
Format	Color
RYB	0, 96, 218
Decimal	43994
CIELab	65.11, -20.05, -33.99
CIELCh	65, 39.461, 239.458
Yxy	34.1878, 0.2048, 0.2572
Android (android.graphics.Color)	4278234074 (0xFF00ABDA)
YUV	125.2290, 45.7361, -109.8258
Hunter-Lab	58.4703, -19.2318, -31.5670

Details

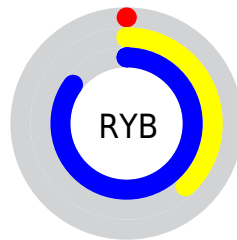
The XYZ color **27.2178, 34.1878, 71.4940** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.9326, 16.9429, 1.6942**, and the grayscale version is **19.4548, 20.4680, 22.2896**.

A 20% lighter version of the original color is **50.9553, 64.5558, 104.3826**, and **13.2077, 15.8380, 37.0113** is the 20% darker color. If you saturate the color by 10%, you get **27.2162, 34.1843, 71.4941**, and if you desaturate by 10%, it is **28.4499, 36.1653, 71.8115**.

Distribution



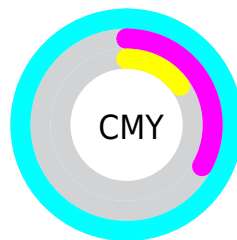
- Red (0%)
- Green (67%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2178, 34.1878, 71.4940 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 27.2178, 34.1878, 71.4940 by changing the saturation by 10% instead.

■ 27.2178, 34.1878,
71.4940

■ 27.2178, 34.1878,
71.4940

280.8585,
320.9686, 484.7086

■ 17.8743, 23.0379,
52.2611

■ 54.6506, 66.2256,
123.0379

■ 10.9589, 14.6215,
36.8296

■ 73.4706, 87.8823,
156.1860

■ 6.1063, 8.5542,
24.7808

■ 96.1801, 113.8101,
194.8095

■ 2.9511, 4.4516,
15.6963

■ 123.1446,
144.3933, 239.3271

■ 1.1280, 1.9292,
9.1575

■ 154.7293,
180.0164, 290.1573

■ 0.0483, 0.5659,
4.7458

191.2996,

■ 0.0000, 0.0000,

221.0637, 347.7186

2.0428

233.2209,
267.9196, 412.4295

■ 0.0000, 0.0000,
0.5814

■ 0.0000, 0.0000,
0.0000

■ 27.2178, 34.1878,
71.4940

■ 27.2178, 34.1878,
71.4940

■ 27.2162, 34.1843,
71.4941

■ 28.4499, 36.1653,
71.8115

■ 30.0819, 38.3958,
72.1560

■ 32.2361, 40.9433,
72.5341

■ 34.9807, 43.8435,
72.9493

■ 38.3731, 47.1264,
73.4041

■ 42.4638, 50.8184,
73.9012

■ 47.2979, 54.9433,
74.4426

■ 52.9168, 59.5228,
75.0304

■ 59.3587, 64.5771,
75.6664

Harmonies

Analogous

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



23.8248, 34.1878, 54.9717



27.2178, 34.1878, 71.4940



32.3906, 34.1878, 78.4616

Triad

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



27.2178, 34.1878, 71.4940



44.7853, 34.1878, 37.5233



27.3782, 34.1878, 15.9764

Complementary

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



27.2178, 34.1878, 71.4940



29.9326, 16.9429, 1.6942

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.



32.5986, 34.1878, 13.7694



27.2178, 34.1878, 71.4940



43.0472, 34.1878, 23.7787

Square

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



27.2178, 34.1878, 71.4940



42.9218, 34.1878, 55.6434



38.4125, 34.1878, 16.1465



23.9095, 34.1878, 23.3982

Rectangle

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



27.2178, 34.1878, 71.4940



36.2993, 34.1878, 75.5421



38.4125, 34.1878, 16.1465



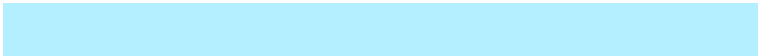
28.9653, 34.1878, 14.7171

Sweetspot

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



27.2190, 34.1890, 71.4949



67.2463, 78.1868, 106.1551



25.5202, 50.3228, 10.7160



13.7401, 16.1847, 22.6497



0.0000, 0.0000, 0.0000



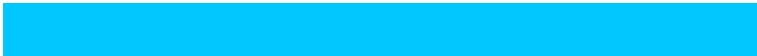
20.3446, 21.4041, 23.3091

Same Dimension

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



27.2190, 34.1890, 71.4949



38.7069, 48.5337, 101.9356



14.5712, 8.8934, 67.2789



13.1942, 14.3281, 16.7223



16.3868, 20.6431, 42.8592



1.1221, 1.4583, 2.7968

Inverse Universe

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



36.2652, 17.8471, 40.0626



51.6666, 25.4307, 56.8359



40.2426, 37.5628, 5.1309



13.4879, 13.2243, 15.8304



21.7666, 10.7077, 24.2150



1.4407, 0.7059, 1.7295

Previews

White Background



This preview shows how the XYZ color 27.2178, 34.1878, 71.4940 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 27.2178, 34.1878, 71.4940 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

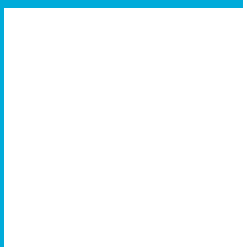
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2178, 34.1878, 71.4940

Background



This preview shows how black text looks on a background with the XYZ color 27.2178, 34.1878, 71.4940.

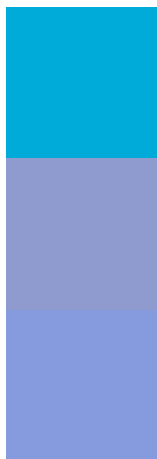


This preview shows how white text looks on a background with the XYZ color 27.2178, 34.1878,

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

27.2178, 34.1878, 71.4940

Protanopia

34.1896, 33.7386, 63.1027

Deuteranopia

34.7377, 33.7849, 73.7975



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

27.2178, 34.1878, 71.4940



Protanomaly

28.6921, 32.3670, 65.7080



Deuteranomaly

29.5423, 32.6415, 73.1500



Tritanomaly

25.4449, 34.3956, 59.3308

Monochromacy



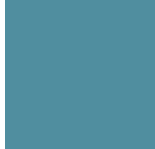
Original Color

27.2178, 34.1878, 71.4940



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.2393, 23.5547, 36.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2178, 34.1878, 71.4940 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, 171, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 218)  
}
```

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, 171, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 218) }
```

Border

The CSS property to change the border of an element to XYZ 27.2178, 34.1878, 71.4940 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, 171, 218) }
```


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

```
.border{ border-color:rgb(0, 171, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2178, 34.1878, 71.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 218) }
```

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

```
.background{ background-color: rgb(0, 171,  
218) }
```

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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