

Converting Colors

XYZ(25.2672, 32.9521, 71.4565)

Have a look what the booklet for
XYZ(25.2672, 32.9521, 71.4565)
contains.

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Color

**XYZ(27.0296, 33.8114,
71.4313)**

Conversions

Conversions Part 1

Format	Color
Hex	00AADA
RGB	0, 170, 218
RGB Percent	0%, 67%, 85%
CMY	0.9998, 0.3333, 0.1451
CMYK	1.00, 0.22, 0.00, 0.15
HSL	193°, 100%, 43%
HSV	193°, 100%, 85%
XYZ	27.0296, 33.8114, 71.4313
YIQ	124.6420, -116.7280, -21.1120

Conversions

Conversions Part 2

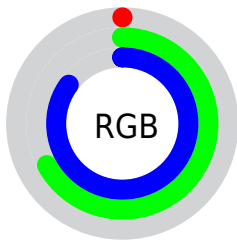
Format	Color
RYB	0, 96, 218
Decimal	43738
CIELab	64.81, -19.53, -34.45
CIELCh	65, 39.599, 240.456
Yxy	33.8114, 0.2043, 0.2556
Android (android.graphics.Color)	4278233818 (0xFF00AADA)
YUV	124.6420, 46.0255, -109.3110
Hunter-Lab	58.1476, -18.7834, -32.1314

Details

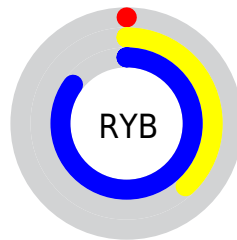
The XYZ color **27.0296, 33.8114, 71.4313** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.9731, 17.0238, 1.7077**, and the grayscale version is **19.2570, 20.2599, 22.0630**.

A 20% lighter version of the original color is **50.6841, 64.0135, 104.2922**, and **13.0893, 15.6012, 36.9718** is the 20% darker color. If you saturate the color by 10%, you get **27.0280, 33.8079, 71.4314**, and if you desaturate by 10%, it is **28.2743, 35.8143, 71.7530**.

Distribution



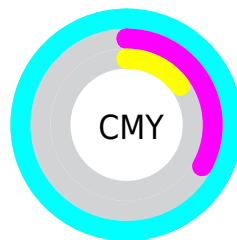
- Red (0%)
- Green (67%)
- Blue (85%)



- 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 27.0296, 33.8114, 71.4313 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 27.0296, 33.8114, 71.4313 by changing the saturation by 10% instead.

■ 27.0296, 33.8114,
71.4313

■ 27.0296, 33.8114,
71.4313

279.9653,
319.2903, 484.4840

■ 17.7322, 22.7487,
52.2103

■ 54.3509, 65.6403,
122.9478

■ 10.8564, 14.4081,
36.7893

■ 73.1055, 87.1753,
156.0804

■ 6.0369, 8.4050,
24.7499

■ 95.7432, 112.9699,
194.6872

■ 2.9084, 4.3552,
15.6735

■ 122.6293,
143.4084, 239.1868

■ 1.1055, 1.8742,
9.1416

■ 154.1292,
178.8754, 289.9977

■ 0.0297, 0.5328,
4.7356

190.6083,

■ 0.0000, 0.0000,

219.7550, 347.5386

2.0369

232.4319,
266.4319, 412.2278

■ 0.0000, 0.0000,
0.5779

■ 0.0000, 0.0000,
0.0000

■ 27.0296, 33.8114,
71.4313

■ 27.0296, 33.8114,
71.4313

■ 27.0280, 33.8079,
71.4314

■ 28.2743, 35.8143,
71.7530

■ 29.9203, 38.0727,
72.1021

■ 32.0899, 40.6509,
72.4854

■ 34.8511, 43.5844,
72.9061

■ 38.2616, 46.9034,
73.3670

■ 42.3717, 50.6343,
73.8705

■ 47.2266, 54.8009,
74.4189

■ 52.8678, 59.4250,
75.0141

■ 59.3334, 64.5267,
75.6580

Harmonies

Analogous

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



23.5844, 33.8114, 55.1274



27.0296, 33.8114, 71.4313



32.2240, 33.8114, 77.9687

Triad

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



27.0296, 33.8114, 71.4313



44.3897, 33.8114, 36.5657



26.8952, 33.8114, 15.8444

Complementary

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



27.0296, 33.8114, 71.4313



29.9731, 17.0238, 1.7077

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.



32.0496, 33.8114, 13.5020



27.0296, 33.8114, 71.4313



42.5408, 33.8114, 23.0864

Square

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



27.0296, 33.8114, 71.4313



42.6460, 33.8114, 54.5631



37.8497, 33.8114, 15.7025



23.5135, 33.8114, 23.4048

Rectangle

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



27.0296, 33.8114, 71.4313



36.1214, 33.8114, 74.7514



37.8497, 33.8114, 15.7025



28.4564, 33.8114, 14.5413

Sweetspot

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



27.0308, 33.8126, 71.4322



67.1440, 77.9821, 106.1209



25.5910, 50.3511, 11.0884



13.7154, 16.1353, 22.6415



0.0000, 0.0000, 0.0000



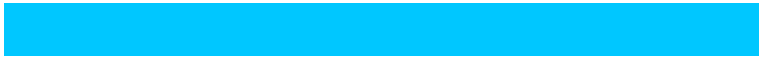
20.3446, 21.4041, 23.3091

Same Dimension

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



27.0308, 33.8126, 71.4322



38.4369, 47.9938, 101.8456



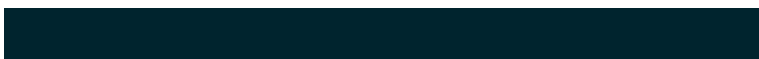
14.3677, 8.4864, 67.2111



13.1889, 14.3176, 16.7206



16.2752, 20.4198, 42.8220



1.1158, 1.4456, 2.7947

Inverse Universe

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



36.1702, 17.8091, 39.5623



51.5304, 25.3761, 56.1183



40.8443, 38.7663, 5.3314



13.4852, 13.2232, 15.8165



21.7103, 10.6852, 23.9182



1.4375, 0.7046, 1.7127

Previews

White Background



This preview shows how the XYZ color 27.0296, 33.8114, 71.4313 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 27.0296, 33.8114, 71.4313 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

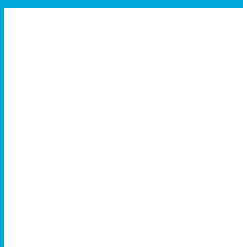
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0296, 33.8114, 71.4313

Background



This preview shows how black text looks on a background with the XYZ color 27.0296, 33.8114, 71.4313.

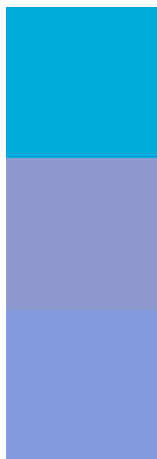


This preview shows how white text looks on a background with the XYZ color 27.0296, 33.8114,

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

27.0296, 33.8114, 71.4313

Protanopia

33.8515, 33.3182, 63.0394

Deuteranopia

34.4219, 33.6221, 73.7827



Tritanopia

24.1057, 33.8600, 52.2788

Trichromacy



Original Color

27.0296, 33.8114, 71.4313



Protanomaly

28.4201, 31.9684, 65.6454



Deuteranomaly

29.2781, 32.2469, 73.0878



Tritanomaly

25.1366, 33.9644, 58.6570

Monochromacy



Original Color

27.0296, 33.8114, 71.4313



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.0912, 23.2584, 36.2840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0296, 33.8114, 71.4313 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, 170, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 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, 170, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 218) }
```

Border

The CSS property to change the border of an element to XYZ 27.0296, 33.8114, 71.4313 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, 170, 218) }
```


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

```
.border{ border-color:rgb(0, 170, 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, 170, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0296, 33.8114, 71.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 218) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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