

Converting Colors

XYZ(24.9646, 29.9421, 69.9389)

Have a look what the booklet for
XYZ(24.9646, 29.9421, 69.9389)
contains.

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Color

**XYZ(24.9225, 29.8060,
70.0852)**

Conversions

Conversions Part 1

Format	Color
Hex	009FD9
RGB	0, 159, 217
RGB Percent	0%, 62%, 85%
CMY	0.9998, 0.3765, 0.1490
CMYK	1.00, 0.27, 0.00, 0.15
HSL	196°, 100%, 43%
HSV	196°, 100%, 85%
XYZ	24.9225, 29.8060, 70.0852
YIQ	118.0710, -113.3820, -15.6700

Conversions

Conversions Part 2

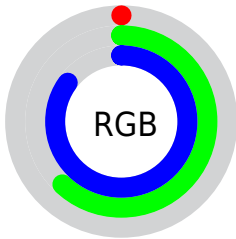
Format	Color
RYB	0, 92, 217
Decimal	40921
CIELab	61.49, -13.97, -39.09
CIELCh	61, 41.507, 250.338
Yxy	29.8060, 0.1997, 0.2388
Android (android.graphics.Color)	4278231001 (0xFF009FD9)
YUV	118.0710, 48.7720, -103.5483
Hunter-Lab	54.5949, -14.0560, -37.8961

Details

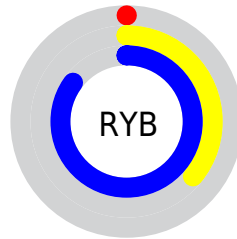
The XYZ color **24.9225, 29.8060, 70.0852** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **30.1315, 17.7833, 1.8459**, and the grayscale version is **17.1249, 18.0167, 19.6202**.

A 20% lighter version of the original color is **47.6901, 58.1967, 103.3273**, and **11.8841, 13.3338, 36.1297** is the 20% darker color. If you saturate the color by 10%, you get **24.9205, 29.8018, 70.0851**, and if you desaturate by 10%, it is **26.2696, 32.0168, 70.4416**.

Distribution



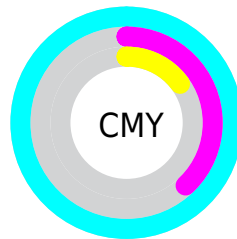
- Red (0%)
- Green (62%)
- Blue (85%)



- Red (0%)
- Yellow (36%)
- Blue (85%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9225, 29.8060, 70.0852 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 24.9225, 29.8060, 70.0852 by changing the saturation by 10% instead.

■ 24.9225, 29.8060,
70.0852

■ 24.9225, 29.8060,
70.0852

269.8065,
300.9991, 479.6463

■ 16.1477, 19.6914,
51.1188

■ 50.9753, 59.3552,
121.0125

■ 9.7203, 12.1709,
35.9257

■ 68.9840, 79.5587,
153.8104

■ 5.2747, 6.8602,
24.0876

■ 90.8014, 103.8938,
192.0560

■ 2.4457, 3.3748,
15.1858

■ 116.7929,
132.7451, 236.1676

■ 0.8680, 1.3304,
8.8018

■ 147.3238,
166.4968, 286.5640

■ 0.0000, 0.1646,
4.5171

182.7595,

■ 0.0000, 0.0000,

205.5335, 343.6635

1.9131

223.4653,
250.2395, 407.8848

■ 0.0000, 0.0000,
0.5011

■ 0.0000, 0.0000,
0.0000

■ 24.9225, 29.8060,
70.0852

■ 24.9225, 29.8060,
70.0852

■ 24.9205, 29.8018,
70.0851

■ 26.2696, 32.0168,
70.4416

■ 28.0281, 34.5098,
70.8301

■ 30.3196, 37.3488,
71.2573

■ 33.2116, 40.5697,
71.7265

■ 36.7613, 44.2027,
72.2407

■ 41.0187, 48.2745,
72.8022

■ 46.0289, 52.8092,
73.4135

■ 51.8329, 57.8288,
74.0764

■ 58.4689, 63.3537,
74.7931

Harmonies

Analogous

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



21.0176, 29.8060, 56.2351



24.9225, 29.8060, 70.0852



30.2677, 29.8060, 72.2329

Triad

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



24.9225, 29.8060, 70.0852



40.0422, 29.8060, 27.3223



22.0282, 29.8060, 14.4262

Complementary

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



24.9225, 29.8060, 70.0852



30.1315, 17.7833, 1.8459

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.



26.4762, 29.8060, 10.8647



24.9225, 29.8060, 70.0852



37.1671, 29.8060, 16.5475

Square

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



24.9225, 29.8060, 70.0852



39.4852, 29.8060, 43.7323



32.0341, 29.8060, 11.4898



19.5022, 29.8060, 23.3029

Rectangle

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



24.9225, 29.8060, 70.0852



34.0065, 29.8060, 66.1857



32.0341, 29.8060, 11.4898



23.3227, 29.8060, 12.7218

Sweetspot

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



24.9236, 29.8070, 70.0860



66.1042, 75.9026, 105.7744



25.5751, 49.9310, 12.2801



13.4653, 15.6351, 22.5581



0.0000, 0.0000, 0.0000



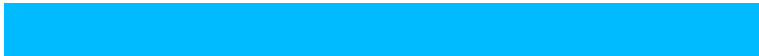
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9236, 29.8070, 70.0860



35.7839, 42.6877, 100.9613



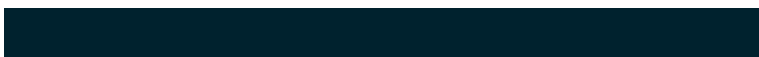
13.6948, 7.3494, 66.3430



13.1351, 14.2099, 16.7026



15.1765, 18.2225, 42.4558



1.0527, 1.3194, 2.7736

Inverse Universe

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



34.8743, 17.2562, 34.2944



50.1912, 24.8405, 49.0666



42.3211, 42.1626, 5.9091



13.4581, 13.2123, 15.6733



21.1557, 10.4633, 20.9980



1.4056, 0.6919, 1.5449

Previews

White Background



This preview shows how the XYZ color 24.9225, 29.8060, 70.0852 looks on a white background.

Color Contrast Check

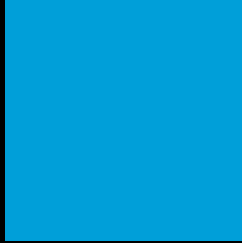
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9225, 29.8060, 70.0852 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 × Fail

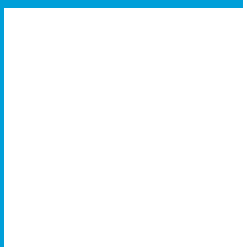
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9225, 29.8060, 70.0852

Background



This preview shows how black text looks on a background with the XYZ color 24.9225, 29.8060, 70.0852.

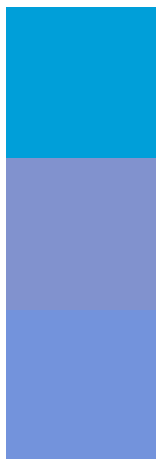


This preview shows how white text looks on a background with the XYZ color 24.9225, 29.8060,

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

24.9225, 29.8060, 70.0852

Protanopia

30.4727, 29.6811, 62.5155

Deuteranopia

30.4222, 29.6796, 71.8355



Tritanopia

21.2113, 29.7252, 46.2146

Trichromacy



Original Color

24.9225, 29.8060, 70.0852

Protanomaly

26.1791, 28.5802, 65.1095

Deuteranomaly

26.6004, 28.6642, 71.1486

Tritanomaly

22.4348, 29.6464, 54.4091

Monochromacy



Original Color

24.9225, 29.8060, 70.0852

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.1219, 20.6040, 33.6464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9225, 29.8060, 70.0852 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, 159, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 217)  
}
```

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, 159, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 217) }
```

Border

The CSS property to change the border of an element to XYZ 24.9225, 29.8060, 70.0852 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, 159, 217) }
```


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

```
.border{ border-color:rgb(0, 159, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9225, 29.8060, 70.0852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 217) }
```

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

```
.background{ background-color: rgb(0, 159,  
217) }
```

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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