

Converting Colors

XYZ(9.2662, 17.2813, 71.4425)

Have a look what the booklet for
XYZ(9.2662, 17.2813, 71.4425)
contains.

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Color

**XYZ(22.4292, 23.9766,
71.8524)**

Conversions

Conversions Part 1

Format	Color
Hex	008CDD
RGB	0, 140, 221
RGB Percent	0%, 55%, 87%
CMY	0.9998, 0.4510, 0.1333
CMYK	1.00, 0.37, 0.00, 0.13
HSL	202°, 100%, 43%
HSV	202°, 100%, 87%
XYZ	22.4292, 23.9766, 71.8524
YIQ	107.3740, -109.4410, -4.4890

Conversions

Conversions Part 2

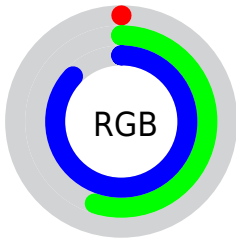
Format	Color
RYB	0, 86, 221
Decimal	36061
CIELab	56.06, -1.64, -49.87
CIELCh	56, 49.902, 268.113
Yxy	23.9766, 0.1897, 0.2027
Android (android.graphics.Color)	4278226141 (0xFF008CDD)
YUV	107.3740, 56.0176, -94.1670
Hunter-Lab	48.9659, -3.9271, -52.7258

Details

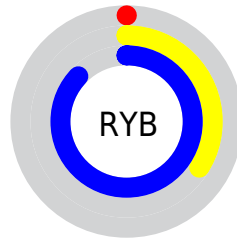
The XYZ color **22.4292, 23.9766, 71.8524** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.7657, 21.2652, 2.3792**, and the grayscale version is **13.9547, 14.6814, 15.9881**.

A 20% lighter version of the original color is **42.7135, 48.2435, 101.6684**, and **10.5326, 10.1988, 37.0107** is the 20% darker color. If you saturate the color by 10%, you get **22.4266, 23.9712, 71.8520**, and if you desaturate by 10%, it is **23.9916, 26.6050, 72.2779**.

Distribution



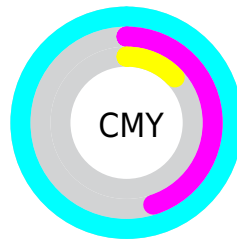
- Red (0%)
- Green (55%)
- Blue (87%)



- Red (0%)
- Yellow (34%)
- Blue (87%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4292, 23.9766, 71.8524 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 22.4292, 23.9766, 71.8524 by changing the saturation by 10% instead.

■ 22.4292, 23.9766,
71.8524

■ 22.4292, 23.9766,
71.8524

257.3700,
272.7022, 485.9914

■ 14.2910, 15.3163,
52.5520

■ 46.9279, 49.9920,
123.5524

■ 8.4064, 9.0416,
37.0600

■ 64.0192, 68.1159,
156.7891

■ 4.4100, 4.7684,
24.9578

■ 84.8255, 90.1630,
195.5084

■ 1.9366, 2.1120,
15.8269

■ 109.7121,
116.5179, 240.1287

■ 0.5980, 0.6714,
9.2487

■ 139.0446,
147.5648, 291.0686

■ 0.0000, 0.0000,
4.8047

173.1881,

■ 0.0000, 0.0000,

183.6883, 348.7467

2.0764

212.5081,
225.2726, 413.5814

■ 0.0000, 0.0000,
0.6017

■ 0.0000, 0.0000,
0.0000

■ 22.4292, 23.9766,
71.8524

■ 22.4292, 23.9766,
71.8524

■ 22.4266, 23.9712,
71.8520

■ 23.9916, 26.6050,
72.2779

■ 26.0238, 29.6074,
72.7503

■ 28.6524, 33.0520,
73.2767

■ 31.9493, 36.9784,
73.8608

■ 35.9754, 41.4203,
74.5059

■ 40.7840, 46.4077,
75.2152

■ 46.4232, 51.9678,
75.9912

■ 52.9370, 58.1254,
76.8364

■ 60.3661, 64.9039,
77.7532

Harmonies

Analogous

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



17.4656, 23.9766, 62.9577



22.4292, 23.9766, 71.8524



28.3660, 23.9766, 64.8392

Triad

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



22.4292, 23.9766, 71.8524



33.9140, 23.9766, 13.9127



14.6776, 23.9766, 12.7662

Complementary

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



22.4292, 23.9766, 71.8524



32.7657, 21.2652, 2.3792

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.



17.9956, 23.9766, 7.0300



22.4292, 23.9766, 71.8524



29.0972, 23.9766, 7.4709

Square

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



22.4292, 23.9766, 71.8524



35.6231, 23.9766, 27.1562



23.1527, 23.9766, 5.5994



13.4800, 23.9766, 25.0841

Rectangle

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



22.4292, 23.9766, 71.8524



31.9824, 23.9766, 53.2431



23.1527, 23.9766, 5.5994



15.5514, 23.9766, 10.2331

Sweetspot

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



22.4302, 23.9773, 71.8530



63.9818, 71.6578, 105.0669



27.2105, 52.2549, 15.7448



12.9573, 14.6190, 22.3888



0.0000, 0.0000, 0.0000



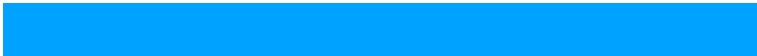
20.3446, 21.4041, 23.3091

Same Dimension

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



22.4302, 23.9773, 71.8530



30.8853, 32.8906, 99.3284



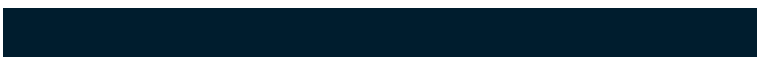
13.6012, 6.3195, 68.9100



13.0227, 13.9851, 16.6652



13.1393, 14.1481, 41.7767



0.9323, 1.0788, 2.7335

Inverse Universe

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



34.5533, 17.2669, 26.3231



47.7187, 23.8515, 36.0463



47.7724, 51.2785, 7.3814



13.4013, 13.1896, 15.3746



20.1275, 10.0520, 15.5831



1.3449, 0.6676, 1.2251

Previews

White Background



This preview shows how the XYZ color 22.4292, 23.9766, 71.8524 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 22.4292, 23.9766, 71.8524 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

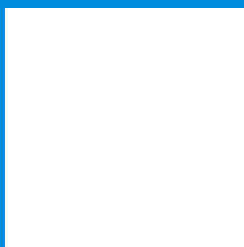
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4292, 23.9766, 71.8524

Background



This preview shows how black text looks on a background with the XYZ color 22.4292, 23.9766, 71.8524.



This preview shows how white text looks on a background with the XYZ color 22.4292, 23.9766,

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

22.4292, 23.9766, 71.8524

Protanopia

25.6060, 23.8615, 66.2069

Deuteranopia

24.7504, 24.0977, 72.4541



Tritanopia

17.0055, 23.9981, 36.5367

Trichromacy



Original Color

22.4292, 23.9766, 71.8524

Protanomaly

23.0997, 23.1319, 68.2132

Deuteranomaly

23.3494, 23.7936, 72.4692

Tritanomaly

18.7224, 23.9352, 47.8891

Monochromacy



Original Color

22.4292, 23.9766, 71.8524

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.3260, 16.5607, 30.4584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4292, 23.9766, 71.8524 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, 140, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 221)  
}
```

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, 140, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 221) }
```

Border

The CSS property to change the border of an element to XYZ 22.4292, 23.9766, 71.8524 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, 140, 221) }
```


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

```
.border{ border-color:rgb(0, 140, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4292, 23.9766, 71.8524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 221) }
```

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

```
.background{ background-color: rgb(0, 140,  
221) }
```

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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