

Converting Colors

XYZ(23.3137, 28.0495, 72.7564)

Have a look what the booklet for
XYZ(23.3137, 28.0495, 72.7564)
contains.

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Color

**XYZ(24.9396, 28.9974,
72.6892)**

Conversions

Conversions Part 1

Format	Color
Hex	009CDD
RGB	0, 156, 221
RGB Percent	0%, 61%, 87%
CMY	0.9998, 0.3882, 0.1333
CMYK	1.00, 0.29, 0.00, 0.13
HSL	198°, 100%, 43%
HSV	198°, 100%, 87%
XYZ	24.9396, 28.9974, 72.6892
YIQ	116.7660, -113.8410, -12.8570

Conversions

Conversions Part 2

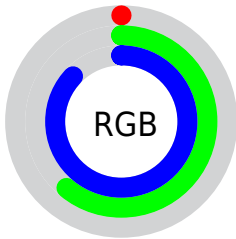
Format	Color
RYB	0, 91, 221
Decimal	40157
CIELab	60.78, -10.84, -42.42
CIELCh	61, 43.783, 255.659
Yxy	28.9974, 0.1970, 0.2290
Android (android.graphics.Color)	4278230237 (0xFF009CDD)
YUV	116.7660, 51.3874, -102.4038
Hunter-Lab	53.8492, -11.5661, -42.3390

Details

The XYZ color **24.9396, 28.9974, 72.6892** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **31.7127, 19.1591, 2.0282**, and the grayscale version is **16.7130, 17.5833, 19.1483**.

A 20% lighter version of the original color is **46.8055, 56.2562, 102.9994**, and **11.9345, 12.8563, 37.9289** is the 20% darker color. If you saturate the color by 10%, you get **24.9374, 28.9927, 72.6890**, and if you desaturate by 10%, it is **26.3947, 31.4111, 73.0790**.

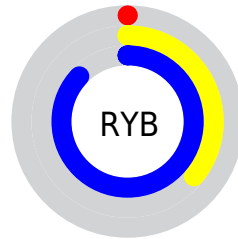
Distribution



Red (0%)

Green (61%)

Blue (87%)



Red (0%)

Yellow (36%)

Blue (87%)

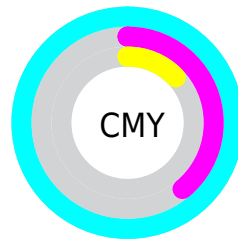


Cyan (100%)

Magenta (29%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (39%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9396, 28.9974, 72.6892 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 24.9396, 28.9974, 72.6892 by changing the saturation by 10% instead.

■ 24.9396, 28.9974,
72.6892

■ 24.9396, 28.9974,
72.6892

269.8902,
297.2027, 488.9788

■ 16.1606, 19.0789,
53.2316

■ 51.0028, 58.0730,
124.7527

■ 9.7294, 11.7273,
37.5987

■ 69.0177, 77.9988,
158.1957

■ 5.2808, 6.5583,
25.3720

■ 90.8419, 102.0291,
197.1375

■ 2.4494, 3.1874,
16.1329

■ 116.8408,
130.5484, 241.9968

■ 0.8698, 1.2303,
9.4628

■ 147.3797,
163.9410, 293.1920

■ 0.0000, 0.0863,
4.9434

182.8240,

■ 0.0000, 0.0000,

202.5913, 351.1417

2.1559

223.5391,
246.8837, 416.2645

■ 0.0000, 0.0000,
0.6488

■ 0.0000, 0.0000,
0.0000

■ 24.9396, 28.9974,
72.6892

■ 24.9396, 28.9974,
72.6892

■ 24.9374, 28.9927,
72.6890

■ 26.3947, 31.4111,
73.0790

■ 28.2897, 34.1393,
73.5057

■ 30.7506, 37.2484,
73.9762

■ 33.8484, 40.7765,
74.4939

■ 37.6430, 44.7555,
75.0619

■ 42.1871, 49.2139,
75.6830

■ 47.5280, 54.1773,
76.3595

■ 53.7088, 59.6689,
77.0937

■ 60.7695, 65.7107,
77.8878

Harmonies

Analogous

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



20.6010, 28.9974, 59.6964



24.9396, 28.9974, 72.6892



30.6204, 28.9974, 72.3643

Triad

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



24.9396, 28.9974, 72.6892



39.4925, 28.9974, 23.8498



20.4547, 28.9974, 14.3491

Complementary

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



24.9396, 28.9974, 72.6892



31.7127, 19.1591, 2.0282

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.



24.7128, 28.9974, 9.9950



24.9396, 28.9974, 72.6892



35.9352, 28.9974, 14.0498

Square

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



24.9396, 28.9974, 72.6892



39.5754, 28.9974, 39.9857



30.3603, 28.9974, 9.9086



18.2636, 28.9974, 24.4321

Rectangle

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



24.9396, 28.9974, 72.6892



34.4425, 28.9974, 64.4796



30.3603, 28.9974, 9.9086



21.6634, 28.9974, 12.3470

Sweetspot

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



24.9407, 28.9984, 72.6899



65.5212, 74.7365, 105.5800



26.7450, 52.0687, 13.2930



13.3254, 15.3553, 22.5115



0.0000, 0.0000, 0.0000



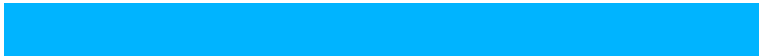
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9407, 28.9984, 72.6899



34.3678, 39.8557, 100.4893



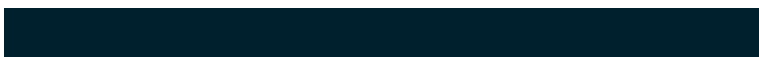
14.1058, 7.3287, 69.0783



13.1046, 14.1489, 16.6925



14.5889, 17.0473, 42.2599



1.0184, 1.2510, 2.7622

Inverse Universe

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



35.8205, 17.7738, 32.9960



49.4765, 24.5546, 45.3028



44.7877, 45.3090, 6.3865



13.4426, 13.2062, 15.5922



20.8591, 10.3447, 19.4361



1.3884, 0.6850, 1.4540

Previews

White Background



This preview shows how the XYZ color 24.9396, 28.9974, 72.6892 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 24.9396, 28.9974, 72.6892 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

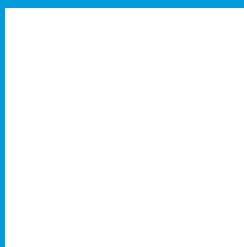
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9396, 28.9974, 72.6892

Background



This preview shows how black text looks on a background with the XYZ color 24.9396, 28.9974, 72.6892.

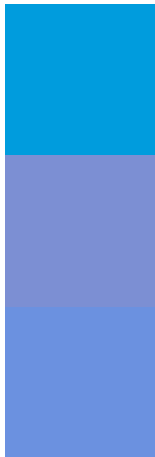


This preview shows how white text looks on a background with the XYZ color 24.9396, 28.9974,

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

24.9396, 28.9974, 72.6892

Protanopia

29.8925, 28.6332, 65.5793

Deuteranopia

29.6433, 28.7584, 74.5096



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

24.9396, 28.9974, 72.6892



Protanomaly

26.0801, 27.7484, 68.2714



Deuteranomaly

26.4506, 28.0515, 73.8324



Tritanomaly

21.9748, 28.9032, 53.7109

Monochromacy



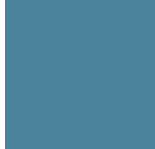
Original Color

24.9396, 28.9974, 72.6892



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.8567, 20.0550, 33.9929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9396, 28.9974, 72.6892 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, 156, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 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, 156, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 221) }
```

Border

The CSS property to change the border of an element to XYZ 24.9396, 28.9974, 72.6892 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, 156, 221) }
```


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

```
.border{ border-color:rgb(0, 156, 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, 156, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9396, 28.9974, 72.6892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 221) }
```

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

```
.background{ background-color: rgb(0, 156,  
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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