

Converting Colors

XYZ(19.9137, 27.2231, 72.7510)

Have a look what the booklet for
XYZ(19.9137, 27.2231, 72.7510)
contains.

XYZ(25.4493, 30.0167, 72.8591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.4493, 30.0167,
72.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	009FDD
RGB	0, 159, 221
RGB Percent	0%, 62%, 87%
CMY	0.9998, 0.3765, 0.1333
CMYK	1.00, 0.28, 0.00, 0.13
HSL	197°, 100%, 43%
HSV	197°, 100%, 87%
XYZ	25.4493, 30.0167, 72.8591
YIQ	118.5270, -114.6660, -14.4260

Conversions

Conversions Part 2

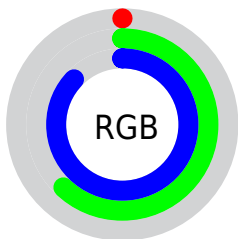
Format	Color
RYB	0, 92, 221
Decimal	40925
CIELab	61.67, -12.51, -41.02
CIELCh	62, 42.887, 253.038
Yxy	30.0167, 0.1983, 0.2339
Android (android.graphics.Color)	4278231005 (0xFF009FDD)
YUV	118.5270, 50.5192, -103.9482
Hunter-Lab	54.7875, -12.9632, -40.4955

Details

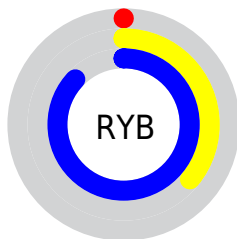
The XYZ color **25.4493, 30.0167, 72.8591** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.5452, 18.8240, 1.9725**, and the grayscale version is **17.2631, 18.1621, 19.7785**.

A 20% lighter version of the original color is **47.8055, 58.2562, 103.3327**, and **12.2455, 13.4783, 38.0326** is the 20% darker color. If you saturate the color by 10%, you get **25.4468, 30.0116, 72.8589**, and if you desaturate by 10%, it is **26.8775, 32.3765, 73.2399**.

Distribution



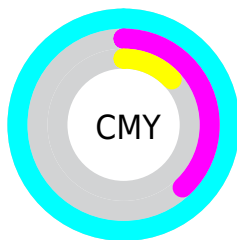
- Red (0%)
- Green (62%)
- Blue (87%)



- Red (0%)
- Yellow (36%)
- Blue (87%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4493, 30.0167, 72.8591 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 25.4493, 30.0167, 72.8591 by changing the saturation by 10% instead.

■ 25.4493, 30.0167,
72.8591

■ 25.4493, 30.0167,
72.8591

272.3747,
301.9823, 489.5840

■ 16.5426, 19.8513,
53.3696

■ 51.8228, 59.6886,
124.9962

■ 10.0022, 12.2870,
37.7082

■ 70.0204, 79.9638,
158.4810

■ 5.4627, 6.9394,
25.4562

■ 92.0457, 104.3778,
197.4679

■ 2.5587, 3.4242,
16.1952

■ 118.2640,
133.3149, 242.3755

■ 0.9250, 1.3570,
9.5065

■ 149.0407,
167.1595, 293.6224

■ 0.0000, 0.1847,
4.9717

184.7411,

■ 0.0000, 0.0000,

206.2960, 351.6271

2.1722

225.7307,
251.1088, 416.8081

■ 0.0000, 0.0000,
0.6583

■ 0.0000, 0.0000,
0.0000

■ 25.4493, 30.0167,
72.8591

■ 25.4493, 30.0167,
72.8591

■ 25.4468, 30.0116,
72.8589

■ 26.8775, 32.3765,
73.2399

■ 28.7406, 35.0407,
73.6560

■ 31.1645, 38.0756,
74.1140

■ 34.2200, 41.5189,
74.6176

■ 37.9670, 45.4025,
75.1697

■ 42.4580, 49.7545,
75.7731

■ 47.7402, 54.6003,
76.4300

■ 53.8567, 59.9630,
77.1427

■ 60.8473, 65.8642,
77.9133

Harmonies

Analogous

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



21.2430, 30.0167, 59.1399



25.4493, 30.0167, 72.8591



31.0758, 30.0167, 73.8128

Triad

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



25.4493, 30.0167, 72.8591



40.6004, 30.0167, 26.0984



21.6820, 30.0167, 14.6850

Complementary

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



25.4493, 30.0167, 72.8591



31.5452, 18.8240, 1.9725

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.



26.1272, 30.0167, 10.6433



25.4493, 30.0167, 72.8591



37.3177, 30.0167, 15.5950

Square

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



25.4493, 30.0167, 72.8591



40.3551, 30.0167, 42.7266



31.8497, 30.0167, 10.9088



19.2750, 30.0167, 24.3514

Rectangle

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



25.4493, 30.0167, 72.8591



34.9350, 30.0167, 66.7073



31.8497, 30.0167, 10.9088



22.9599, 30.0167, 12.7939

Sweetspot

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



25.4504, 30.0177, 72.8599



65.8151, 75.3243, 105.6780



26.6462, 52.0293, 12.7728



13.3959, 15.4963, 22.5350



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.



25.4504, 30.0177, 72.8599



35.0751, 41.2702, 100.7250



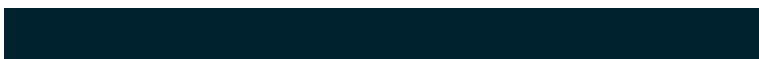
14.2627, 7.6424, 69.1306



13.1200, 14.1797, 16.6976



14.8825, 17.6345, 42.3578



1.0356, 1.2853, 2.7679

Inverse Universe

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



36.0779, 17.8768, 34.3507



49.8335, 24.6974, 47.1827



44.0908, 43.9152, 6.1543



13.4504, 13.2093, 15.6332



21.0074, 10.4040, 20.2166



1.3970, 0.6884, 1.4996

Previews

White Background



This preview shows how the XYZ color 25.4493, 30.0167, 72.8591 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 25.4493, 30.0167, 72.8591 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

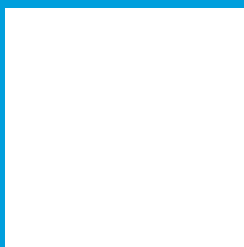
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4493, 30.0167, 72.8591

Background



This preview shows how black text looks on a background with the XYZ color 25.4493, 30.0167, 72.8591.

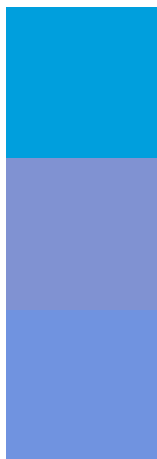


This preview shows how white text looks on a background with the XYZ color 25.4493, 30.0167,

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

25.4493, 30.0167, 72.8591

Protanopia

30.8138, 29.8001, 65.1007

Deuteranopia

30.5704, 29.6940, 74.6413



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

25.4493, 30.0167, 72.8591



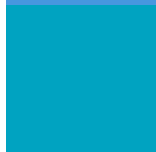
Protanomaly

26.5975, 28.7376, 67.7634



Deuteranomaly

26.9844, 28.8005, 73.9489



Tritanomaly

22.7228, 30.0446, 55.0537

Monochromacy



Original Color

25.4493, 30.0167, 72.8591



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

17.5063, 20.9870, 34.5807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4493, 30.0167, 72.8591 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 221) }
```

Border

The CSS property to change the border of an element to XYZ 25.4493, 30.0167, 72.8591 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, 221) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4493, 30.0167, 72.8591 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, 221) }
```

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

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