

Converting Colors

XYZ(23.3053, 24.4375, 76.1255)

Have a look what the booklet for
XYZ(23.3053, 24.4375, 76.1255)
contains.

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Color

**XYZ(23.2432, 24.3022,
76.1388)**

Conversions

Conversions Part 1

Format	Color
Hex	008CE3
RGB	0, 140, 227
RGB Percent	0%, 55%, 89%
CMY	0.9998, 0.4510, 0.1098
CMYK	1.00, 0.38, 0.00, 0.11
HSL	203°, 100%, 45%
HSV	203°, 100%, 89%
XYZ	23.2432, 24.3022, 76.1388
YIQ	108.0580, -111.3670, -2.6230

Conversions

Conversions Part 2

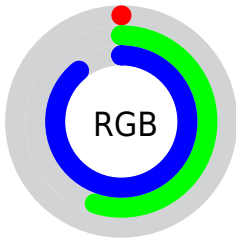
Format	Color
RYB	0, 87, 227
Decimal	36067
CIELab	56.39, 0.65, -52.71
CIELCh	56, 52.714, 270.707
Yxy	24.3022, 0.1879, 0.1965
Android (android.graphics.Color)	4278226147 (0xFF008CE3)
YUV	108.0580, 58.6384, -94.7669
Hunter-Lab	49.2973, -2.1091, -57.0643

Details

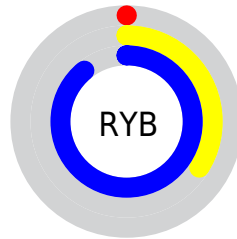
The XYZ color **23.2432, 24.3022, 76.1388** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.0920, 23.1569, 2.6219**, and the grayscale version is **14.1385, 14.8748, 16.1987**.

A 20% lighter version of the original color is **42.9457, 48.3632, 101.6793**, and **11.0918, 10.4224, 39.9552** is the 20% darker color. If you saturate the color by 10%, you get **23.2402, 24.2960, 76.1383**, and if you desaturate by 10%, it is **24.9136, 27.1265, 76.5965**.

Distribution



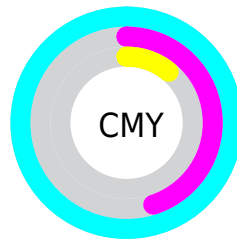
- Red (0%)
- Green (55%)
- Blue (89%)



- Red (0%)
- Yellow (34%)
- Blue (89%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (45%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2432, 24.3022, 76.1388 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 23.2432, 24.3022, 76.1388 by changing the saturation by 10% instead.

■ 23.2432, 24.3022,
76.1388

■ 23.2432, 24.3022,
76.1388

261.4837,
274.3448, 501.1822

■ 14.8949, 15.5579,
56.0390

■ 48.2561, 50.5229,
129.6850

■ 8.8315, 9.2119,
39.8300

■ 65.6513, 68.7681,
163.9684

■ 4.6876, 4.8796,
27.0932

■ 86.7929, 90.9491,
203.8168

■ 2.0980, 2.1768,
17.4102

■ 112.0463,
117.4503, 249.6487

■ 0.6882, 0.7073,
10.3623

■ 141.7766,
148.6561, 301.8827

■ 0.0000, 0.0000,
5.5311

176.3494,

■ 0.0000, 0.0000,

184.9508, 360.9372

2.4980

216.1300,
226.7189, 427.2309

■ 0.0000, 0.0000,
0.8391

■ 0.0000, 0.0000,
0.0000

■ 23.2432, 24.3022,
76.1388

■ 23.2432, 24.3022,
76.1388

■ 23.2402, 24.2960,
76.1383

■ 24.9136, 27.1265,
76.5965

■ 27.0934, 30.3658,
77.1068

■ 29.9160, 34.0923,
77.6773

■ 33.4587, 38.3490,
78.3123

■ 37.7867, 43.1726,
79.0152

■ 42.9574, 48.5955,
79.7894

■ 49.0223, 54.6472,
80.6378

■ 56.0287, 61.3548,
81.5632

■ 64.0203, 68.7436,
82.5682

Harmonies

Analogous

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



17.8309, 24.3022, 67.7953



23.2432, 24.3022, 76.1388



29.6072, 24.3022, 67.0240

Triad

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



23.2432, 24.3022, 76.1388



34.6971, 24.3022, 12.7671



14.3189, 24.3022, 13.2128

Complementary

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



23.2432, 24.3022, 76.1388



35.0920, 23.1569, 2.6219

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.



17.6213, 24.3022, 6.8349



23.2432, 24.3022, 76.1388



29.3131, 24.3022, 6.6685

Square

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



23.2432, 24.3022, 76.1388



36.8936, 24.3022, 26.0496



22.9544, 24.3022, 5.1009



13.2585, 24.3022, 26.8766

Rectangle

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



23.2432, 24.3022, 76.1388



33.3950, 24.3022, 53.8799



22.9544, 24.3022, 5.1009



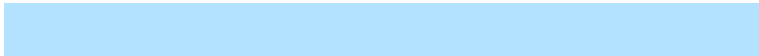
15.1712, 24.3022, 10.4008

Sweetspot

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



23.2442, 24.3029, 76.1394



63.6326, 70.9594, 104.9505



29.1925, 55.6280, 18.2268



12.8740, 14.4525, 22.3610



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.



23.2442, 24.3029, 76.1394



30.1483, 31.4167, 99.0828



14.2473, 6.3092, 73.1405



14.3191, 15.3597, 18.3543



13.6698, 14.4017, 44.4425



1.0993, 1.2426, 3.3139

Inverse Universe

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



36.4131, 18.2258, 26.4101



47.3467, 23.7027, 34.0874



52.4550, 57.8829, 8.4095



14.7487, 14.5167, 16.8769



21.2934, 10.6516, 15.7058



1.6185, 0.8051, 1.3977

Previews

White Background



This preview shows how the XYZ color 23.2432, 24.3022, 76.1388 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 23.2432, 24.3022, 76.1388 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

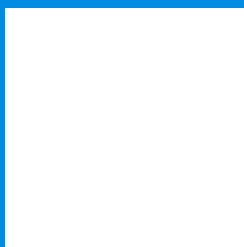
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2432, 24.3022, 76.1388

Background



This preview shows how black text looks on a background with the XYZ color 23.2432, 24.3022, 76.1388.



This preview shows how white text looks on a background with the XYZ color 23.2432, 24.3022,

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

23.2432, 24.3022, 76.1388

Protanopia

26.2930, 24.3263, 70.3275

Deuteranopia

25.1225, 24.4030, 76.7849



Tritanopia

17.2515, 24.3508, 37.0486

Trichromacy



Original Color

23.2432, 24.3022, 76.1388

Protanomaly

23.9631, 23.6919, 72.4172

Deuteranomaly

23.9455, 24.0063, 76.7704

Tritanomaly

18.9306, 24.0185, 48.9857

Monochromacy



Original Color

23.2432, 24.3022, 76.1388

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.7566, 16.9325, 31.7687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2432, 24.3022, 76.1388 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 227) }
```

Border

The CSS property to change the border of an element to XYZ 23.2432, 24.3022, 76.1388 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, 227) }
```


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

```
.border{ border-color:rgb(0, 140, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2432, 24.3022, 76.1388 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, 227) }
```

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

```
.background{ background-color: rgb(0, 140,  
227) }
```

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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