

Converting Colors

XYZ(18.8881, 22.8105, 72.6589)

Have a look what the booklet for
XYZ(18.8881, 22.8105, 72.6589)
contains.

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Color

**XYZ(23.0073, 24.9188,
72.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	008FDE
RGB	0, 143, 222
RGB Percent	0%, 56%, 87%
CMY	0.9998, 0.4392, 0.1294
CMYK	1.00, 0.36, 0.00, 0.13
HSL	201°, 100%, 44%
HSV	201°, 100%, 87%
XYZ	23.0073, 24.9188, 72.7044
YIQ	109.2490, -110.5870, -5.7470

Conversions

Conversions Part 2

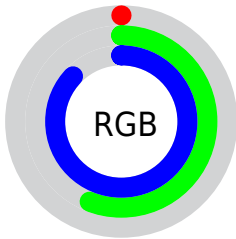
Format	Color
RYB	0, 87, 222
Decimal	36830
CIELab	57.00, -3.03, -48.95
CIELCh	57, 49.047, 266.460
Yxy	24.9188, 0.1907, 0.2066
Android (android.graphics.Color)	4278226910 (0xFF008FDE)
YUV	109.2490, 55.5862, -95.8114
Hunter-Lab	49.9187, -5.0880, -51.4101

Details

The XYZ color **23.0073, 24.9188, 72.7044** 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 **32.9252, 21.1306, 2.3450**, and the grayscale version is **14.4816, 15.2357, 16.5917**.

A 20% lighter version of the original color is **43.4988, 49.6429, 101.8971**, and **10.7973, 10.5819, 37.5498** is the 20% darker color. If you saturate the color by 10%, you get **23.0042, 24.9126, 72.7039**, and if you desaturate by 10%, it is **24.5726, 27.5496, 73.1302**.

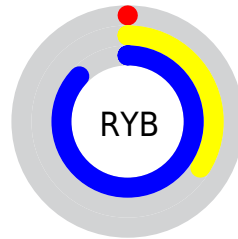
Distribution



Red (0%)

Green (56%)

Blue (87%)



Red (0%)

Yellow (34%)

Blue (87%)

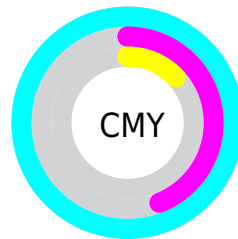


Cyan (100%)

Magenta (36%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (44%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0073, 24.9188, 72.7044 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 23.0073, 24.9188, 72.7044 by changing the saturation by 10% instead.

■ 23.0073, 24.9188,
72.7044

■ 23.0073, 24.9188,
72.7044

260.2971,
277.4333, 489.0330

■ 14.7196, 16.0166,
53.2439

■ 47.8719, 51.5255,
124.7745

■ 8.7079, 9.5359,
37.6085

■ 65.1795, 69.9987,
158.2212

■ 4.6067, 5.0923,
25.3795

■ 86.2245, 92.4310,
197.1671

■ 2.0508, 2.3015,
16.1384

■ 111.3722,
119.2069, 242.0307

■ 0.6622, 0.7745,
9.4667

■ 140.9879,
150.7106, 293.2305

■ 0.0000, 0.0000,
4.9459

175.4371,

■ 0.0000, 0.0000,

187.3267, 351.1852

2.1574

215.0850,
229.4395, 416.3131

■ 0.0000, 0.0000,
0.6496

■ 0.0000, 0.0000,
0.0000

■ 23.0073, 24.9188,
72.7044

■ 23.0073, 24.9188,
72.7044

■ 23.0042, 24.9126,
72.7039

■ 24.5726, 27.5496,
73.1302

■ 26.6082, 30.5491,
73.6019

■ 29.2417, 33.9857,
74.1265

■ 32.5456, 37.8992,
74.7077

■ 36.5812, 42.3234,
75.3490

■ 41.4024, 47.2883,
76.0532

■ 47.0577, 52.8212,
76.8231

■ 53.5914, 58.9468,
77.6611

■ 61.0446, 65.6885,
78.5695

Harmonies

Analogous

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



18.0768, 24.9188, 63.0900



23.0073, 24.9188, 72.7044



28.9706, 24.9188, 66.5902

Triad

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



23.0073, 24.9188, 72.7044



35.0485, 24.9188, 15.3104



15.6002, 24.9188, 13.1089

Complementary

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



23.0073, 24.9188, 72.7044



32.9252, 21.1306, 2.3450

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.



19.0842, 24.9188, 7.4897



23.0073, 24.9188, 72.7044



30.3465, 24.9188, 8.3510

Square

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



23.0073, 24.9188, 72.7044



36.5487, 24.9188, 29.1383



24.3750, 24.9188, 6.1899



14.2604, 24.9188, 25.2206

Rectangle

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



23.0073, 24.9188, 72.7044



32.6550, 24.9188, 55.3746



24.3750, 24.9188, 6.1899



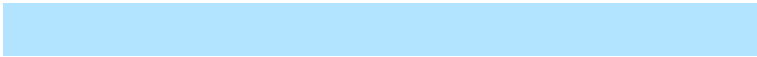
16.5286, 24.9188, 10.6222

Sweetspot

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



23.0083, 24.9196, 72.7051



64.2051, 72.1044, 105.1413



27.4881, 52.7897, 15.8996



13.0105, 14.7256, 22.4065



0.0000, 0.0000, 0.0000



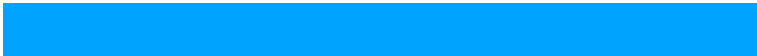
20.3446, 21.4041, 23.3091

Same Dimension

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



23.0083, 24.9196, 72.7051



31.3671, 33.8541, 99.4890



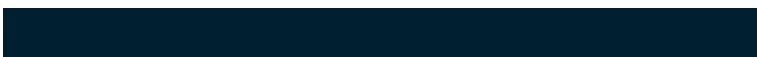
13.7394, 6.3817, 69.6154



13.6847, 14.7085, 17.5055



13.7724, 15.0145, 43.2206



1.0382, 1.2078, 3.0237

Inverse Universe

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



35.0831, 17.5142, 27.5185



47.9618, 23.9487, 37.3267



48.2600, 51.8003, 7.4567



14.0771, 13.8485, 16.1760



20.8919, 10.4238, 16.6283



1.4903, 0.7394, 1.3746

Previews

White Background



This preview shows how the XYZ color 23.0073, 24.9188, 72.7044 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 23.0073, 24.9188, 72.7044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

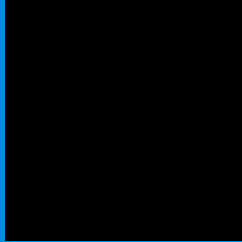
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0073, 24.9188, 72.7044

Background



This preview shows how black text looks on a background with the XYZ color 23.0073, 24.9188, 72.7044.

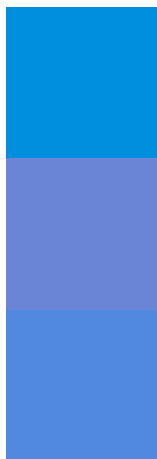


This preview shows how white text looks on a background with the XYZ color 23.0073, 24.9188,

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

23.0073, 24.9188, 72.7044

Protanopia

26.3416, 24.6433, 66.3191

Deuteranopia

25.7935, 25.0225, 73.9914



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

23.0073, 24.9188, 72.7044

Protanomaly

23.6551, 24.0425, 68.3597

Deuteranomaly

23.9681, 24.5230, 73.2822

Tritanomaly

19.2416, 24.6405, 49.0894

Monochromacy



Original Color

23.0073, 24.9188, 72.7044

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7966, 17.1420, 31.3830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0073, 24.9188, 72.7044 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, 143, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 222)  
}
```

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, 143, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 222) }
```

Border

The CSS property to change the border of an element to XYZ 23.0073, 24.9188, 72.7044 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, 143, 222) }
```


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

```
.border{ border-color:rgb(0, 143, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0073, 24.9188, 72.7044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 222) }
```

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

```
.background{ background-color: rgb(0, 143,  
222) }
```

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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