

Converting Colors

XYZ(16.5996, 22.5529, 74.2807)

Have a look what the booklet for
XYZ(16.5996, 22.5529, 74.2807)
contains.

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Color

**XYZ(23.8883, 26.2493,
74.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	0093E0
RGB	0, 147, 224
RGB Percent	0%, 58%, 88%
CMY	0.9998, 0.4235, 0.1216
CMYK	1.00, 0.34, 0.00, 0.12
HSL	201°, 100%, 44%
HSV	201°, 100%, 88%
XYZ	23.8883, 26.2493, 74.3286
YIQ	111.8250, -112.3290, -7.2170

Conversions

Conversions Part 2

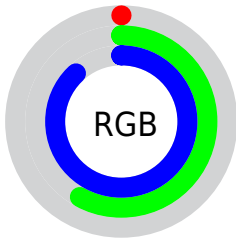
Format	Color
R _Y B	0, 89, 224
Decimal	37856
CIE Lab	58.27, -4.60, -48.04
CIE LCh	58, 48.264, 264.527
Yxy	26.2493, 0.1919, 0.2109
Android (android.graphics.Color)	4278227936 (0xFF0093E0)
YUV	111.8250, 55.3023, -98.0705
Hunter-Lab	51.2341, -6.4326, -50.1520

Details

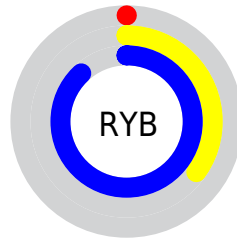
The XYZ color **23.8883, 26.2493, 74.3286** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.3989, 21.1633, 2.3263**, and the grayscale version is **15.2221, 16.0148, 17.4402**.

A 20% lighter version of the original color is **44.6456, 51.9363, 102.2794**, and **11.3426, 11.3765, 38.6439** is the 20% darker color. If you saturate the color by 10%, you get **23.8855, 26.2436, 74.3282**, and if you desaturate by 10%, it is **25.4678, 28.9018, 74.7579**.

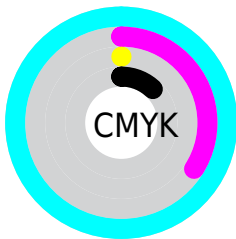
Distribution



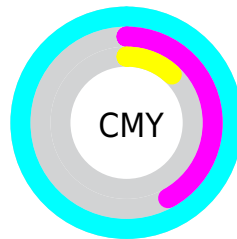
- Red (0%)
- Green (58%)
- Blue (88%)



- Red (0%)
- Yellow (35%)
- Blue (88%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (42%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8883, 26.2493, 74.3286 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 23.8883, 26.2493, 74.3286 by changing the saturation by 10% instead.

■ 23.8883, 26.2493,
74.3286

■ 23.8883, 26.2493,
74.3286

264.7062,
284.0037, 494.8004

■ 15.3751, 17.0102,
54.5646

■ 49.3039, 53.6769,
127.0999

■ 9.1711, 10.2418,
38.6570

■ 66.9369, 72.6341,
160.9442

■ 4.9109, 5.5596,
26.1872

■ 88.3406, 95.5996,
200.3191

■ 2.2293, 2.5792,
16.7367

■ 113.8803,
122.9577, 245.6430

■ 0.7581, 0.9162,
9.8870

■ 143.9214,
155.0927, 297.3346

■ 0.0000, 0.0000,
5.2195

178.8291,

■ 0.0000, 0.0000,

192.3892, 355.8123

2.3156

218.9690,
235.2314, 421.4948

■ 0.0000, 0.0000,
0.7399

■ 0.0000, 0.0000,
0.0000

■ 23.8883, 26.2493,
74.3286

■ 23.8883, 26.2493,
74.3286

■ 23.8855, 26.2436,
74.3282

■ 25.4678, 28.9018,
74.7579

■ 27.5225, 31.9202,
75.2322

■ 30.1820, 35.3740,
75.7587

■ 33.5204, 39.3033,
76.3412

■ 37.6003, 43.7426,
76.9830

■ 42.4765, 48.7222,
77.6872

■ 48.1985, 54.2694,
78.4563

■ 54.8115, 60.4096,
79.2929

■ 62.3572, 67.1661,
80.1994

Harmonies

Analogous

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



18.9570, 26.2493, 63.8036



23.8883, 26.2493, 74.3286



29.9326, 26.2493, 69.2147

Triad

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



23.8883, 26.2493, 74.3286



36.6873, 26.2493, 17.1553



16.8418, 26.2493, 13.6299

Complementary

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



23.8883, 26.2493, 74.3286



33.3989, 21.1633, 2.3263

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.



20.5520, 26.2493, 8.1095



23.8883, 26.2493, 74.3286



32.0871, 26.2493, 9.5146

Square

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



23.8883, 26.2493, 74.3286



37.9517, 26.2493, 31.7755



26.0410, 26.2493, 6.9718



15.3180, 26.2493, 25.6081

Rectangle

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



23.8883, 26.2493, 74.3286



33.7280, 26.2493, 58.3652



26.0410, 26.2493, 6.9718



17.8434, 26.2493, 11.1780

Sweetspot

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



23.8893, 26.2501, 74.3293



64.4605, 72.6151, 105.2264



27.9166, 53.8161, 15.5201



13.0715, 14.8475, 22.4269



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.



23.8893, 26.2501, 74.3293



31.9278, 34.9756, 99.6759



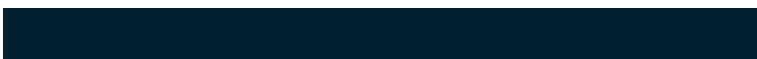
14.1289, 6.7293, 71.0758



13.6991, 14.7373, 17.5102



14.0140, 15.4975, 43.3011



1.0537, 1.2389, 3.0288

Inverse Universe

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



36.0079, 17.9553, 29.1723



48.2449, 24.0619, 38.8172



48.4429, 51.2513, 7.3409



14.0843, 13.8514, 16.2143



21.0138, 10.4725, 17.2703



1.4981, 0.7425, 1.4160

Previews

White Background



This preview shows how the XYZ color 23.8883, 26.2493, 74.3286 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 23.8883, 26.2493, 74.3286 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

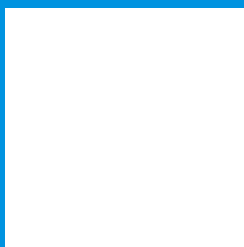
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8883, 26.2493, 74.3286

Background



This preview shows how black text looks on a background with the XYZ color 23.8883, 26.2493, 74.3286.

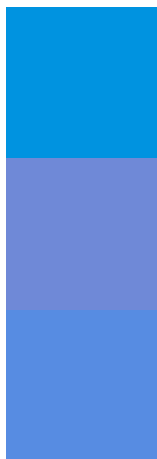


This preview shows how white text looks on a background with the XYZ color 23.8883, 26.2493,

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

23.8883, 26.2493, 74.3286

Protanopia

27.7669, 26.1771, 67.8792

Deuteranopia

27.0360, 26.2734, 75.5978



Tritanopia

18.6043, 26.1959, 40.1522

Trichromacy



Original Color

23.8883, 26.2493, 74.3286

Protanomaly

24.7783, 25.4513, 69.9363

Deuteranomaly

24.9886, 25.8934, 74.9150

Tritanomaly

20.1979, 26.0443, 50.9762

Monochromacy



Original Color

23.8883, 26.2493, 74.3286

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6819, 18.3067, 32.8440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8883, 26.2493, 74.3286 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, 147, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 224)  
}
```

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, 147, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 224) }
```

Border

The CSS property to change the border of an element to XYZ 23.8883, 26.2493, 74.3286 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, 147, 224) }
```


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

```
.border{ border-color:rgb(0, 147, 224) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8883, 26.2493, 74.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 224) }
```

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

```
.background{ background-color: rgb(0, 147,  
224) }
```

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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