

Converting Colors

XYZ(23.4175, 24.6618, 76.1628)

Have a look what the booklet for
XYZ(23.4175, 24.6618, 76.1628)
contains.

XYZ(23.3900, 24.5958, 76.1877)	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(23.3900, 24.5958,
76.1877)**

Conversions

Conversions Part 1

Format	Color
Hex	008DE3
RGB	0, 141, 227
RGB Percent	0%, 55%, 89%
CMY	0.9998, 0.4471, 0.1098
CMYK	1.00, 0.38, 0.00, 0.11
HSL	203°, 100%, 45%
HSV	203°, 100%, 89%
XYZ	23.3900, 24.5958, 76.1877
YIQ	108.6450, -111.6420, -3.1460

Conversions

Conversions Part 2

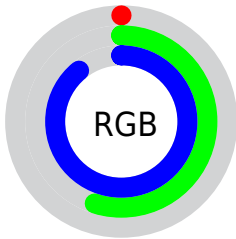
Format	Color
RYB	0, 87, 227
Decimal	36323
CIELab	56.68, 0.06, -52.25
CIELCh	57, 52.248, 270.061
Yxy	24.5958, 0.1884, 0.1981
Android (android.graphics.Color)	4278226403 (0xFF008DE3)
YUV	108.6450, 58.3490, -95.2817
Hunter-Lab	49.5942, -2.6041, -56.3668

Details

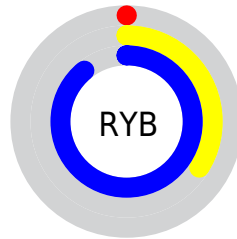
The XYZ color **23.3900, 24.5958, 76.1877** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.0116, 22.9960, 2.5951**, and the grayscale version is **14.3037, 15.0486, 16.3880**.

A 20% lighter version of the original color is **43.1675, 48.8068, 101.7532**, and **11.1778, 10.5946, 39.9839** is the 20% darker color. If you saturate the color by 10%, you get **23.3870, 24.5896, 76.1872**, and if you desaturate by 10%, it is **25.0562, 27.4117, 76.6440**.

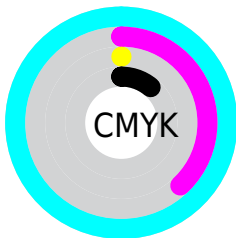
Distribution



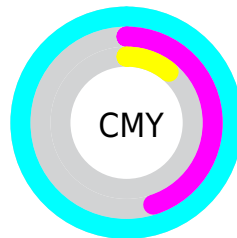
- Red (0%)
- Green (55%)
- Blue (89%)



- 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 23.3900, 24.5958, 76.1877 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 23.3900, 24.5958, 76.1877 by changing the saturation by 10% instead.

■ 23.3900, 24.5958,
76.1877

■ 23.3900, 24.5958,
76.1877

262.2199,
275.8190, 501.3539

■ 15.0040, 15.7762,
56.0789

■ 48.4949, 51.0007,
129.7547

■ 8.9085, 9.3659,
39.8617

■ 65.9445, 69.3548,
164.0500

■ 4.7382, 4.9806,
27.1178

■ 87.1460, 91.6559,
203.9111

■ 2.1277, 2.2359,
17.4285

■ 112.4648,
118.2882, 249.7567

■ 0.7042, 0.7395,
10.3753

■ 142.2663,
149.6363, 302.0052

■ 0.0000, 0.0000,
5.5396

176.9157,

■ 0.0000, 0.0000,

186.0846, 361.0752

2.5030

216.7785,
228.0173, 427.3853

■ 0.0000, 0.0000,
0.8418

■ 0.0000, 0.0000,
0.0000

■ 23.3900, 24.5958,
76.1877

■ 23.3900, 24.5958,
76.1877

■ 23.3870, 24.5896,
76.1872

■ 25.0562, 27.4117,
76.6440

■ 27.2297, 30.6383,
77.1522

■ 30.0437, 34.3478,
77.7199

■ 33.5756, 38.5828,
78.3512

■ 37.8904, 43.3800,
79.0497

■ 43.0455, 48.7717,
79.8187

■ 49.0924, 54.7871,
80.6611

■ 56.0781, 61.4534,
81.5796

■ 64.0464, 68.7957,
82.5769

Harmonies

Analogous

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



18.0124, 24.5958, 67.5605



23.3900, 24.5958, 76.1877



29.7398, 24.5958, 67.4946

Triad

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



23.3900, 24.5958, 76.1877



35.0326, 24.5958, 13.2612



14.6360, 24.5958, 13.2998

Complementary

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



23.3900, 24.5958, 76.1877



35.0116, 22.9960, 2.5951

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.



17.9943, 24.5958, 6.9919



23.3900, 24.5958, 76.1877



29.7146, 24.5958, 6.9773

Square

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



23.3900, 24.5958, 76.1877



37.1335, 24.5958, 26.7451



23.3651, 24.5958, 5.3081



13.5232, 24.5958, 26.8163

Rectangle

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



23.3900, 24.5958, 76.1877



33.5415, 24.5958, 54.5558



23.3651, 24.5958, 5.3081



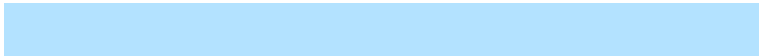
15.5073, 24.5958, 10.5182

Sweetspot

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



23.3910, 24.5966, 76.1884



63.7242, 71.1426, 104.9810



29.0418, 55.5677, 17.4335



12.8958, 14.4961, 22.3683



0.0000, 0.0000, 0.0000



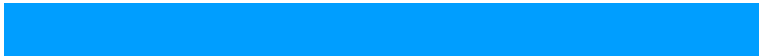
20.3446, 21.4041, 23.3091

Same Dimension

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



23.3910, 24.5966, 76.1884



30.3397, 31.7994, 99.1466



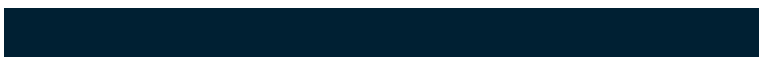
14.3383, 6.4912, 73.1708



14.3246, 15.3706, 18.3562



13.7551, 14.5723, 44.4709



1.1053, 1.2545, 3.3159

Inverse Universe

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



36.4872, 18.2554, 26.8003



47.4433, 23.7413, 34.5960



51.5868, 56.1465, 8.1201



14.7514, 14.5178, 16.8915



21.3364, 10.6688, 15.9325



1.6215, 0.8063, 1.4135

Previews

White Background



This preview shows how the XYZ color 23.3900, 24.5958, 76.1877 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 23.3900, 24.5958, 76.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

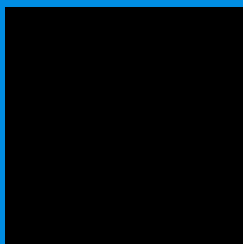
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

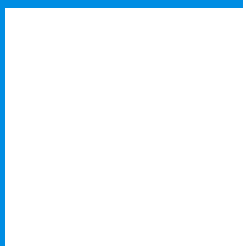
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3900, 24.5958, 76.1877

Background



This preview shows how black text looks on a background with the XYZ color 23.3900, 24.5958, 76.1877.



This preview shows how white text looks on a background with the XYZ color 23.3900, 24.5958,

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

23.3900, 24.5958, 76.1877

Protanopia

26.4043, 24.3837, 70.3327

Deuteranopia

25.3335, 24.5118, 76.7948



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

23.3900, 24.5958, 76.1877

Protanomaly

23.9631, 23.6919, 72.4172

Deuteranomaly

24.1743, 24.3363, 76.8220

Tritanomaly

19.1907, 24.3702, 49.5914

Monochromacy



Original Color

23.3900, 24.5958, 76.1877

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9591, 17.2070, 32.2386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3900, 24.5958, 76.1877 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, 141, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 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, 141, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 227) }
```

Border

The CSS property to change the border of an element to XYZ 23.3900, 24.5958, 76.1877 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, 141, 227) }
```


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

```
.border{ border-color:rgb(0, 141, 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, 141, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3900, 24.5958, 76.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 227) }
```

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

```
.background{ background-color: rgb(0, 141,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor