

Converting Colors

XYZ(9.3407, 18.6408, 72.7074)

Have a look what the booklet for
XYZ(9.3407, 18.6408, 72.7074)
contains.

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Color

**XYZ(23.5982, 25.8855,
73.5647)**

Conversions

Conversions Part 1

Format	Color
Hex	0092DF
RGB	0, 146, 223
RGB Percent	0%, 57%, 87%
CMY	0.9998, 0.4274, 0.1255
CMYK	1.00, 0.35, 0.00, 0.13
HSL	201°, 100%, 44%
HSV	201°, 100%, 87%
XYZ	23.5982, 25.8855, 73.5647
YIQ	111.1240, -111.7330, -7.0050

Conversions

Conversions Part 2

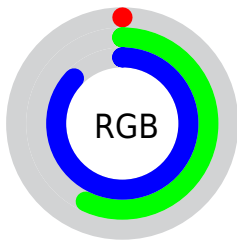
Format	Color
RYB	0, 88, 223
Decimal	37599
CIELab	57.93, -4.40, -48.03
CIELCh	58, 48.234, 264.766
Yxy	25.8855, 0.1918, 0.2104
Android (android.graphics.Color)	4278227679 (0xFF0092DF)
YUV	111.1240, 55.1549, -97.4557
Hunter-Lab	50.8778, -6.2441, -50.1135

Details

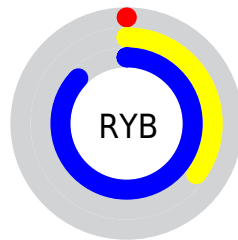
The XYZ color **23.5982, 25.8855, 73.5647** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.0899, 21.0041, 2.3118**, and the grayscale version is **15.0190, 15.8012, 17.2075**.

A 20% lighter version of the original color is **44.4132, 51.4716, 102.2019**, and **11.1579, 11.1558, 38.1244** is the 20% darker color. If you saturate the color by 10%, you get **23.5954, 25.8797, 73.5643**, and if you desaturate by 10%, it is **25.1649, 28.5158, 73.9904**.

Distribution



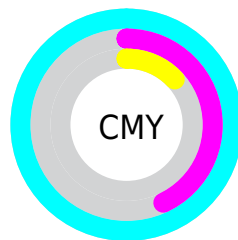
- Red (0%)
- Green (57%)
- Blue (87%)



- Red (0%)
- Yellow (35%)
- Blue (87%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (43%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5982, 25.8855, 73.5647 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 23.5982, 25.8855, 73.5647 by changing the saturation by 10% instead.

■ 23.5982, 25.8855,
73.5647

■ 23.5982, 25.8855,
73.5647

263.2611,
282.2196, 492.0928

■ 15.1590, 16.7380,
53.9432

■ 48.8332, 53.0902,
126.0069

■ 9.0181, 10.0479,
38.1634

■ 66.3596, 71.9161,
159.6647

■ 4.8102, 5.4307,
25.8067

■ 87.6459, 94.7370,
198.8383

■ 2.1699, 2.5021,
16.4546

■ 113.0572,
121.9373, 243.9462

■ 0.7268, 0.8777,
9.6886

■ 142.9591,
153.9013, 295.4072

■ 0.0000, 0.0000,
5.0901

177.7168,

■ 0.0000, 0.0000,

191.0134, 353.6395

2.2406

217.6957,
233.6580, 419.0619

■ 0.0000, 0.0000,
0.6976

■ 0.0000, 0.0000,
0.0000

■ 23.5982, 25.8855,
73.5647

■ 23.5982, 25.8855,
73.5647

■ 23.5954, 25.8797,
73.5643

■ 25.1649, 28.5158,
73.9904

■ 27.2024, 31.5096,
74.4609

■ 29.8392, 34.9355,
74.9832

■ 33.1486, 38.8334,
75.5611

■ 37.1924, 43.2374,
76.1980

■ 42.0249, 48.1775,
76.8969

■ 47.6951, 53.6808,
77.6603

■ 54.2477, 59.7724,
78.4907

■ 61.7239, 66.4755,
79.3905

Harmonies

Analogous

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



18.7043, 25.8855, 63.2310



23.5982, 25.8855, 73.5647



29.5868, 25.8855, 68.3663

Triad

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



23.5982, 25.8855, 73.5647



36.2066, 25.8855, 16.7935



16.5594, 25.8855, 13.4620

Complementary

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



23.5982, 25.8855, 73.5647



33.0899, 21.0041, 2.3118

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.



20.2136, 25.8855, 7.9706



23.5982, 25.8855, 73.5647



31.6283, 25.8855, 9.2955

Square

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



23.5982, 25.8855, 73.5647



37.4907, 25.8855, 31.2057



25.6367, 25.8855, 6.8204



15.0703, 25.8855, 25.3656

Rectangle

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



23.5982, 25.8855, 73.5647



33.3397, 25.8855, 57.5529



25.6367, 25.8855, 6.8204



17.5444, 25.8855, 11.0243

Sweetspot

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



23.5992, 25.8863, 73.5654



64.4279, 72.5499, 105.2156



27.6373, 53.2756, 15.3712



13.0637, 14.8320, 22.4243



0.0000, 0.0000, 0.0000



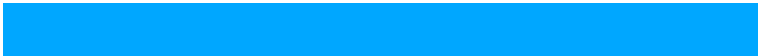
20.3446, 21.4041, 23.3091

Same Dimension

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



23.5992, 25.8863, 73.5654



31.8556, 34.8312, 99.6519



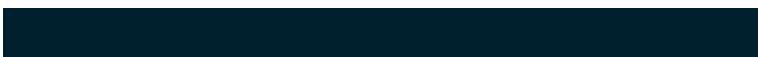
13.9884, 6.6647, 70.3618



13.6973, 14.7336, 17.5096



13.9829, 15.4353, 43.2907



1.0517, 1.2349, 3.0282

Inverse Universe

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



35.6207, 17.7647, 28.7462



48.2084, 24.0474, 38.6253



47.9580, 50.7403, 7.2679



14.0834, 13.8510, 16.2094



20.9981, 10.4662, 17.1877



1.4971, 0.7421, 1.4107

Previews

White Background



This preview shows how the XYZ color 23.5982, 25.8855, 73.5647 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 23.5982, 25.8855, 73.5647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

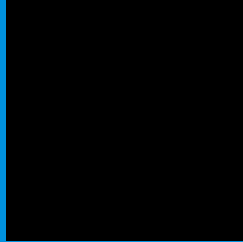
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5982, 25.8855, 73.5647

Background



This preview shows how black text looks on a background with the XYZ color 23.5982, 25.8855, 73.5647.

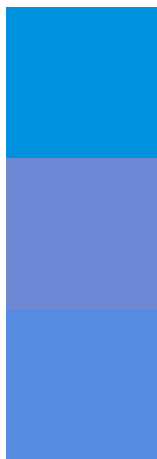


This preview shows how white text looks on a background with the XYZ color 23.5982, 25.8855,

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

23.5982, 25.8855, 73.5647

Protanopia

27.3722, 25.7784, 67.1514

Deuteranopia

26.6610, 25.8799, 74.8243



Tritanopia

18.3471, 25.8278, 39.6156

Trichromacy



Original Color

23.5982, 25.8855, 73.5647

Protanomaly

24.4283, 25.0680, 69.1967

Deuteranomaly

24.7031, 25.5400, 74.1487

Tritanomaly

19.9295, 25.6784, 50.3604

Monochromacy



Original Color

23.5982, 25.8855, 73.5647

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4737, 18.0219, 32.3688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5982, 25.8855, 73.5647 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, 146, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 223)  
}
```

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, 146, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 223) }
```

Border

The CSS property to change the border of an element to XYZ 23.5982, 25.8855, 73.5647 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, 146, 223) }
```


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

```
.border{ border-color:rgb(0, 146, 223) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5982, 25.8855, 73.5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 223) }
```

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

```
.background{ background-color: rgb(0, 146,  
223) }
```

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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