

Converting Colors

XYZ(21.7360, 24.6989, 73.8438)

Have a look what the booklet for
XYZ(21.7360, 24.6989, 73.8438)
contains.

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Color

**XYZ(23.5799, 25.6326,
74.2258)**

Conversions

Conversions Part 1

Format	Color
Hex	0091E0
RGB	0, 145, 224
RGB Percent	0%, 57%, 88%
CMY	0.9998, 0.4314, 0.1216
CMYK	1.00, 0.35, 0.00, 0.12
HSL	201°, 100%, 44%
HSV	201°, 100%, 88%
XYZ	23.5799, 25.6326, 74.2258
YIQ	110.6510, -111.7790, -6.1710

Conversions

Conversions Part 2

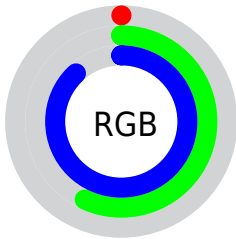
Format	Color
R _Y B	0, 88, 224
Decimal	37344
CIE Lab	57.69, -3.44, -48.97
CIE LCh	58, 49.095, 265.982
Yxy	25.6326, 0.1910, 0.2077
Android (android.graphics.Color)	4278227424 (0xFF0091E0)
YUV	110.6510, 55.8811, -97.0409
Hunter-Lab	50.6286, -5.4651, -51.4840

Details

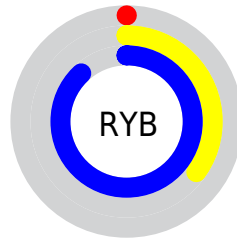
The XYZ color **23.5799, 25.6326, 74.2258** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.5408, 21.4471, 2.3734**, and the grayscale version is **14.8802, 15.6551, 17.0484**.

A 20% lighter version of the original color is **44.1823, 51.0099, 102.1250**, and **11.1601, 11.0116, 38.5830** is the 20% darker color. If you saturate the color by 10%, you get **23.5774, 25.6274, 74.2255**, and if you desaturate by 10%, it is **25.1710, 28.3084, 74.6590**.

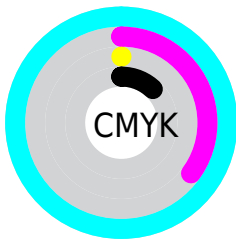
Distribution



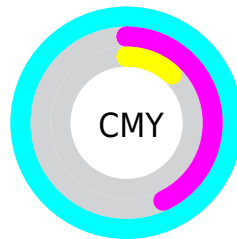
- Red (0%)
- Green (57%)
- Blue (88%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (43%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5799, 25.6326, 74.2258 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 23.5799, 25.6326, 74.2258 by changing the saturation by 10% instead.

■ 23.5799, 25.6326,
74.2258

■ 23.5799, 25.6326,
74.2258

263.1697,
280.9738, 494.4365

■ 15.1453, 16.5490,
54.4810

■ 48.8035, 52.6816,
126.9528

■ 9.0084, 9.9135,
38.5905

■ 66.3232, 71.4159,
160.7721

■ 4.8038, 5.3416,
26.1360

■ 87.6020, 94.1357,
200.1200

■ 2.1662, 2.4491,
16.6987

■ 113.0052,
121.2257, 245.4149

■ 0.7248, 0.8510,
9.8602

■ 142.8982,
153.0701, 297.0755

■ 0.0000, 0.0000,
5.2020

177.6464,

■ 0.0000, 0.0000,

190.0533, 355.5203

2.3055

217.6152,
232.5598, 421.1678

■ 0.0000, 0.0000,
0.7343

■ 0.0000, 0.0000,
0.0000

■ 23.5799, 25.6326,
74.2258

■ 23.5799, 25.6326,
74.2258

■ 23.5774, 25.6274,
74.2255

■ 25.1710, 28.3084,
74.6590

■ 27.2412, 31.3580,
75.1385

■ 29.9203, 34.8511,
75.6715

■ 33.2824, 38.8280,
76.2620

■ 37.3902, 43.3235,
76.9132

■ 42.2989, 48.3681,
77.6282

■ 48.0578, 53.9894,
78.4097

■ 54.7123, 60.2129,
79.2602

■ 62.3042, 67.0622,
80.1821

Harmonies

Analogous

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



18.5733, 25.6326, 64.2345



23.5799, 25.6326, 74.2258



29.6550, 25.6326, 68.2683

Triad

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



23.5799, 25.6326, 74.2258



35.9953, 25.6326, 15.9993



16.1474, 25.6326, 13.4395

Complementary

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



23.5799, 25.6326, 74.2258



33.5408, 21.4471, 2.3734

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.



19.7413, 25.6326, 7.7579



23.5799, 25.6326, 74.2258



31.2458, 25.6326, 8.7641

Square

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



23.5799, 25.6326, 74.2258



37.4598, 25.6326, 30.2388



25.1633, 25.6326, 6.4768



14.7416, 25.6326, 25.7031

Rectangle

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



23.5799, 25.6326, 74.2258



33.4238, 25.6326, 56.9706



25.1633, 25.6326, 6.4768



17.1083, 25.6326, 10.9232

Sweetspot

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



23.5809, 25.6334, 74.2265



64.2723, 72.2387, 105.1637



28.0473, 53.8684, 16.2091



13.0266, 14.7576, 22.4119



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.



23.5809, 25.6334, 74.2265



31.5135, 34.1471, 99.5378



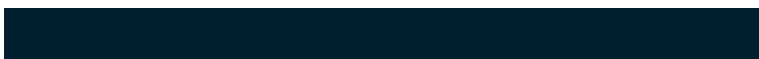
14.0173, 6.5061, 71.0386



13.6885, 14.7161, 17.5067



13.8356, 15.1407, 43.2416



1.0422, 1.2160, 3.0250

Inverse Universe

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



35.8522, 17.8929, 28.3527



48.0358, 23.9783, 37.7161



49.2431, 52.8517, 7.6075



14.0790, 13.8492, 16.1861



20.9237, 10.4365, 16.7961



1.4923, 0.7402, 1.3855

Previews

White Background



This preview shows how the XYZ color 23.5799, 25.6326, 74.2258 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 23.5799, 25.6326, 74.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

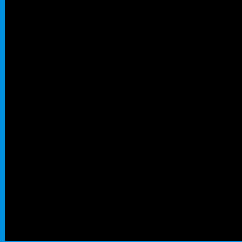
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5799, 25.6326, 74.2258

Background



This preview shows how black text looks on a background with the XYZ color 23.5799, 25.6326, 74.2258.

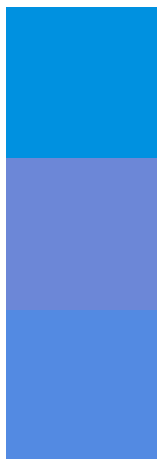


This preview shows how white text looks on a background with the XYZ color 23.5799, 25.6326,

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

23.5799, 25.6326, 74.2258

Protanopia

27.1141, 25.4224, 67.7679

Deuteranopia

26.3832, 25.5069, 75.4843



Tritanopia

18.0921, 25.4628, 39.0832

Trichromacy



Original Color

23.5799, 25.6326, 74.2258

Protanomaly

24.3418, 24.7924, 69.8321

Deuteranomaly

24.5837, 25.2429, 74.8108

Tritanomaly

19.7693, 25.3579, 50.3070

Monochromacy



Original Color

23.5799, 25.6326, 74.2258

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.3490, 17.7725, 32.3272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5799, 25.6326, 74.2258 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, 145, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 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, 145, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 224) }
```

Border

The CSS property to change the border of an element to XYZ 23.5799, 25.6326, 74.2258 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, 145, 224) }
```


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

```
.border{ border-color:rgb(0, 145, 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, 145, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5799, 25.6326, 74.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 224) }
```

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

```
.background{ background-color: rgb(0, 145,  
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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