

Converting Colors

XYZ(9.6830, 21.9654, 72.6975)

Have a look what the booklet for
XYZ(9.6830, 21.9654, 72.6975)
contains.

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Color

**XYZ(25.5830, 30.0702,
73.5630)**

Conversions

Conversions Part 1

Format	Color
Hex	009FDE
RGB	0, 159, 222
RGB Percent	0%, 62%, 87%
CMY	0.9998, 0.3765, 0.1294
CMYK	1.00, 0.28, 0.00, 0.13
HSL	197°, 100%, 44%
HSV	197°, 100%, 87%
XYZ	25.5830, 30.0702, 73.5630
YIQ	118.6410, -114.9870, -14.1150

Conversions

Conversions Part 2

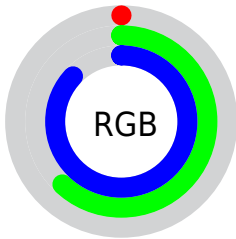
Format	Color
RYB	0, 93, 222
Decimal	40926
CIELab	61.71, -12.15, -41.50
CIELCh	62, 43.244, 253.687
Yxy	30.0702, 0.1980, 0.2327
Android (android.graphics.Color)	4278231006 (0xFF009FDE)
YUV	118.6410, 50.9560, -104.0482
Hunter-Lab	54.8363, -12.6872, -41.1522

Details

The XYZ color **25.5830, 30.0702, 73.5630** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.9056, 19.0915, 2.0052**, and the grayscale version is **17.2978, 18.1986, 19.8183**.

A 20% lighter version of the original color is **47.8055, 58.2562, 103.3327**, and **12.2455, 13.4783, 38.0326** is the 20% darker color. If you saturate the color by 10%, you get **25.5804, 30.0649, 73.5627**, and if you desaturate by 10%, it is **27.0315, 32.4673, 73.9500**.

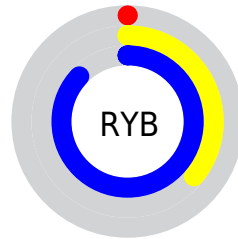
Distribution



Red (0%)

Green (62%)

Blue (87%)



Red (0%)

Yellow (36%)

Blue (87%)

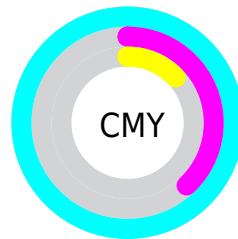


Cyan (100%)

Magenta (28%)

Yellow (0%)

Black (13%)



Cyan (100%)

Magenta (38%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5830, 30.0702, 73.5630 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 25.5830, 30.0702, 73.5630 by changing the saturation by 10% instead.

■ 25.5830, 30.0702,
73.5630

■ 25.5830, 30.0702,
73.5630

273.0234,
302.2315, 492.0868

■ 16.6430, 19.8919,
53.9418

■ 52.0376, 59.7732,
126.0044

■ 10.0740, 12.3165,
38.1623

■ 70.2828, 80.0666,
159.6618

■ 5.5107, 6.9596,
25.8059

■ 92.3605, 104.5006,
198.8350

■ 2.5877, 3.4368,
16.4540

■ 118.6361,
133.4594, 243.9425

■ 0.9397, 1.3638,
9.6882

■ 149.4748,
167.3275, 295.4029

■ 0.0000, 0.1898,
5.0898

185.2420,

■ 0.0000, 0.0000,

206.4893, 353.6347

2.2404

226.3031,
251.3292, 419.0565

■ 0.0000, 0.0000,
0.6975

■ 0.0000, 0.0000,
0.0000

■ 25.5830, 30.0702,
73.5630

■ 25.5830, 30.0702,
73.5630

■ 25.5804, 30.0649,
73.5627

■ 27.0315, 32.4673,
73.9500

■ 28.9210, 35.1746,
74.3730

■ 31.3783, 38.2589,
74.8388

■ 34.4752, 41.7585,
75.3510

■ 38.2723, 45.7056,
75.9128

■ 42.8226, 50.1288,
76.5267

■ 48.1739, 55.0536,
77.1953

■ 54.3699, 60.5037,
77.9207

■ 61.4507, 66.5009,
78.7050

Harmonies

Analogous

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



21.3004, 30.0702, 59.8815



25.5830, 30.0702, 73.5630



31.2807, 30.0702, 74.2101

Triad

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



25.5830, 30.0702, 73.5630



40.7410, 30.0702, 25.7988



21.5968, 30.0702, 14.7513

Complementary

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



25.5830, 30.0702, 73.5630



31.9056, 19.0915, 2.0052

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.



26.0410, 30.0702, 10.5894



25.5830, 30.0702, 73.5630



37.3557, 30.0702, 15.3635

Square

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



25.5830, 30.0702, 73.5630



40.5748, 30.0702, 42.4775



31.8041, 30.0702, 10.7676



19.2193, 30.0702, 24.6197

Rectangle

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



25.5830, 30.0702, 73.5630



35.1704, 30.0702, 66.8370



31.8041, 30.0702, 10.7676



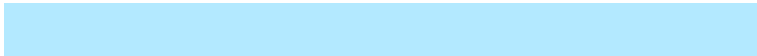
22.8705, 30.0702, 12.8131

Sweetspot

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



25.5841, 30.0712, 73.5638



65.7447, 75.1835, 105.6545



27.0179, 52.6017, 13.4236



13.3790, 15.4625, 22.5294



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.



25.5841, 30.0712, 73.5638



34.9045, 40.9289, 100.6682



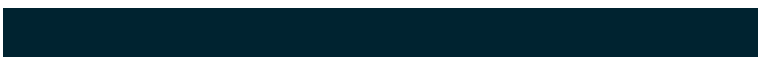
14.2487, 7.4004, 69.7853



13.7706, 14.8804, 17.5341



15.2931, 18.0557, 43.7274



1.1350, 1.4015, 3.0559

Inverse Universe

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



36.3833, 18.0343, 34.3650



49.7474, 24.6629, 46.7291



45.2442, 45.7687, 6.4514



14.1204, 13.8658, 16.4044



21.6594, 10.7308, 20.6701



1.5392, 0.7589, 1.6320

Previews

White Background



This preview shows how the XYZ color 25.5830, 30.0702, 73.5630 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 25.5830, 30.0702, 73.5630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

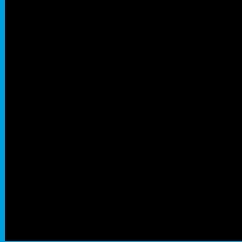
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.5830, 30.0702, 73.5630

Background



This preview shows how black text looks on a background with the XYZ color 25.5830, 30.0702, 73.5630.



This preview shows how white text looks on a background with the XYZ color 25.5830, 30.0702,

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

25.5830, 30.0702, 73.5630

Protanopia

30.9388, 29.8501, 65.7590

Deuteranopia

30.8626, 30.0608, 75.4098



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

25.5830, 30.0702, 73.5630



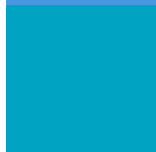
Protanomaly

26.7257, 28.7888, 68.4382



Deuteranomaly

27.2813, 29.1779, 74.7150



Tritanomaly

22.7228, 30.0446, 55.0537

Monochromacy



Original Color

25.5830, 30.0702, 73.5630



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

17.5063, 20.9870, 34.5807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5830, 30.0702, 73.5630 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, 159, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 222) }
```

Border

The CSS property to change the border of an element to XYZ 25.5830, 30.0702, 73.5630 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, 159, 222) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5830, 30.0702, 73.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 222) }
```

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

```
.background{ background-color: rgb(0, 159,  
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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