

Converting Colors

XYZ(23.9822, 29.0469, 74.4961)

Have a look what the booklet for
XYZ(23.9822, 29.0469, 74.4961)
contains.

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Color

**XYZ(25.5461, 29.7814,
74.2140)**

Conversions

Conversions Part 1

Format	Color
Hex	009EDF
RGB	0, 158, 223
RGB Percent	0%, 62%, 87%
CMY	0.9998, 0.3804, 0.1255
CMYK	1.00, 0.29, 0.00, 0.13
HSL	197°, 100%, 44%
HSV	197°, 100%, 87%
XYZ	25.5461, 29.7814, 74.2140
YIQ	118.1680, -115.0330, -13.2810

Conversions

Conversions Part 2

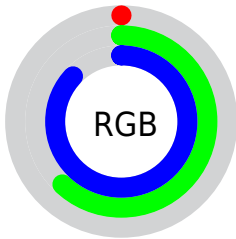
Format	Color
R _{YB}	0, 92, 223
Decimal	40671
CIE _{Lab}	61.47, -11.23, -42.45
CIE _{LCh}	61, 43.909, 255.187
Yxy	29.7814, 0.1972, 0.2299
Android (android.graphics.Color)	4278230751 (0xFF009EDF)
YUV	118.1680, 51.6822, -103.6333
Hunter-Lab	54.5723, -11.9432, -42.4290

Details

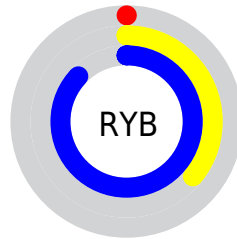
The XYZ color **25.5461, 29.7814, 74.2140** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.3253, 19.4749, 2.0568**, and the grayscale version is **17.1468, 18.0398, 19.6454**.

A 20% lighter version of the original color is **47.3024, 57.2500, 103.1650**, and **12.2327, 13.3054, 38.4827** is the 20% darker color. If you saturate the color by 10%, you get **25.5439, 29.7767, 74.2138**, and if you desaturate by 10%, it is **27.0238, 32.2337, 74.6101**.

Distribution



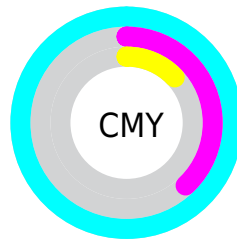
- Red (0%)
- Green (62%)
- Blue (87%)



- Red (0%)
- Yellow (36%)
- Blue (87%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5461, 29.7814, 74.2140 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 25.5461, 29.7814, 74.2140 by changing the saturation by 10% instead.

■ 25.5461, 29.7814,
74.2140

■ 25.5461, 29.7814,
74.2140

272.8445,
300.8842, 494.3948

■ 16.6153, 19.6727,
54.4714

■ 51.9783, 59.3163,
126.9360

■ 10.0542, 12.1574,
38.5829

■ 70.2104, 79.5113,
160.7524

■ 5.4974, 6.8509,
26.1301

■ 92.2737, 103.8372,
200.0971

■ 2.5797, 3.3691,
16.6943

■ 118.5334,
132.6785, 245.3887

■ 0.9356, 1.3273,
9.8572

■ 149.3550,
166.4194, 297.0458

■ 0.0000, 0.1622,
5.2000

185.1038,

■ 0.0000, 0.0000,

205.4444, 355.4868

2.3043

226.1452,
250.1378, 421.1302

■ 0.0000, 0.0000,
0.7336

■ 0.0000, 0.0000,
0.0000

■ 25.5461, 29.7814,
74.2140

■ 25.5461, 29.7814,
74.2140

■ 25.5439, 29.7767,
74.2138

■ 27.0238, 32.2337,
74.6101

■ 28.9502, 35.0054,
75.0435

■ 31.4533, 38.1640,
75.5213

■ 34.6057, 41.7483,
76.0470

■ 38.4688, 45.7911,
76.6237

■ 43.0963, 50.3214,
77.2543

■ 48.5366, 55.3652,
77.9411

■ 54.8338, 60.9464,
78.6865

■ 62.0288, 67.0873,
79.4925

Harmonies

Analogous

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



21.1426, 29.7814, 60.8178



25.5461, 29.7814, 74.2140



31.3336, 29.7814, 74.1204

Triad

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



25.5461, 29.7814, 74.2140



40.5091, 29.7814, 24.7497



21.1003, 29.7814, 14.7055

Complementary

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



25.5461, 29.7814, 74.2140



32.3253, 19.4749, 2.0568

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.



25.4806, 29.7814, 10.3190



25.5461, 29.7814, 74.2140



36.9290, 29.7814, 14.6188

Square

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



25.5461, 29.7814, 74.2140



40.5330, 29.7814, 41.3104



31.2585, 29.7814, 10.2939



18.8247, 29.7814, 24.9180

Rectangle

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



25.5461, 29.7814, 74.2140



35.2412, 29.7814, 66.2171



31.2585, 29.7814, 10.2939



22.3467, 29.7814, 12.6827

Sweetspot

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



25.5472, 29.7824, 74.2148



65.5782, 74.8505, 105.5990



27.2920, 53.1375, 13.5533



13.3391, 15.3826, 22.5160



0.0000, 0.0000, 0.0000



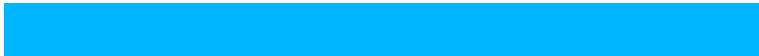
20.3446, 21.4041, 23.3091

Same Dimension

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



25.5472, 29.7824, 74.2148



34.5040, 40.1280, 100.5347



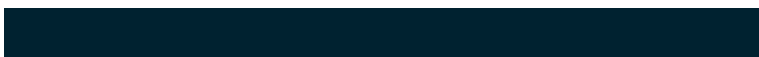
14.3918, 7.4715, 70.4963



13.7614, 14.8620, 17.5310



15.1212, 17.7120, 43.6702



1.1242, 1.3798, 3.0523

Inverse Universe

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



36.6040, 18.1580, 33.9241



49.5452, 24.5821, 45.6647



45.7028, 46.2298, 6.5160



14.1158, 13.8640, 16.3800



21.5727, 10.6961, 20.2134



1.5337, 0.7568, 1.6033

Previews

White Background



This preview shows how the XYZ color 25.5461, 29.7814, 74.2140 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 25.5461, 29.7814, 74.2140 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

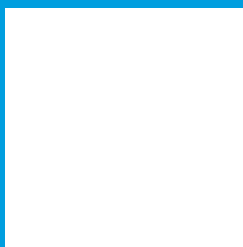
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.5461, 29.7814, 74.2140

Background



This preview shows how black text looks on a background with the XYZ color 25.5461, 29.7814, 74.2140.

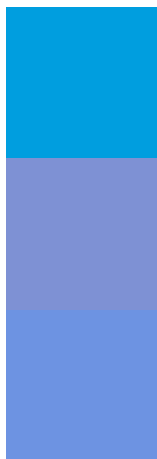


This preview shows how white text looks on a background with the XYZ color 25.5461, 29.7814,

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

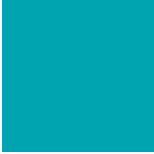
25.5461, 29.7814, 74.2140

Protanopia

30.6132, 29.4399, 66.3563

Deuteranopia

30.4679, 29.6096, 76.0609



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

25.5461, 29.7814, 74.2140



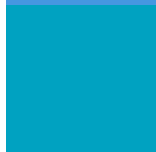
Protanomaly

26.6093, 28.4760, 69.0597



Deuteranomaly

27.1115, 28.8347, 75.3709



Tritanomaly

22.5460, 29.6909, 54.9947

Monochromacy



Original Color

25.5461, 29.7814, 74.2140



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

17.2899, 20.6712, 34.5312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5461, 29.7814, 74.2140 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, 158, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 223) }
```

Border

The CSS property to change the border of an element to XYZ 25.5461, 29.7814, 74.2140 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, 158, 223) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5461, 29.7814, 74.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 223) }
```

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

```
.background{ background-color: rgb(0, 158,  
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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