

# Converting Colors

XYZ(26.1774, 29.5879, 79.9980)

Have a look what the booklet for  
XYZ(26.1774, 29.5879, 79.9980)  
contains.

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# Color

**XYZ(26.3123, 29.5465,  
79.9175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009CE7
RGB	0, 156, 231
RGB Percent	0%, 61%, 91%
CMY	0.9998, 0.3882, 0.0941
CMYK	1.00, 0.32, 0.00, 0.09
HSL	199°, 100%, 45%
HSV	199°, 100%, 91%
XYZ	26.3123, 29.5465, 79.9175
YIQ	117.9060, -117.0510, -9.7470

# Conversions

## Conversions Part 2

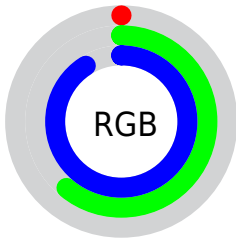
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 93, 231
Decimal	40167
CIELab	61.26, -7.15, -47.20
CIELCh	61, 47.739, 261.384
Yxy	29.5465, 0.1938, 0.2176
Android (android.graphics.Color)	4278230247 (0xFF009CE7)
YUV	117.9060, 55.7553, -103.4036
Hunter-Lab	54.3567, -8.7182, -49.1210

# Details

The XYZ color **26.3123, 29.5465, 79.9175** 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 **35.4759, 22.0297, 2.3842**, and the grayscale version is **17.0542, 17.9423, 19.5392**.

A 20% lighter version of the original color is **47.0405, 56.3774, 103.0104**, and **12.7894, 13.1983, 42.4309** is the 20% darker color. If you saturate the color by 10%, you get **26.3093, 29.5402, 79.9171**, and if you desaturate by 10%, it is **27.9678, 32.3272, 80.3676**.

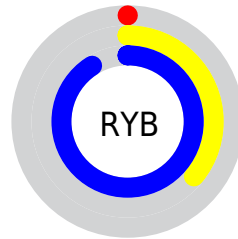
# Distribution



Red (0%)

Green (61%)

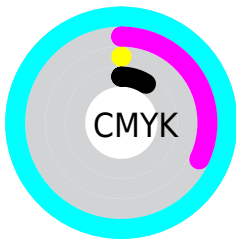
Blue (91%)



Red (0%)

Yellow (36%)

Blue (91%)

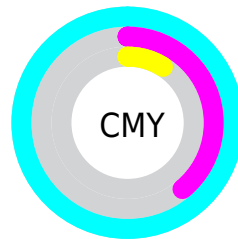


Cyan (100%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (100%)

Magenta (39%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.3123, 29.5465, 79.9175 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 26.3123, 29.5465, 79.9175 by changing the saturation by 10% instead.



■ 26.3123, 29.5465,  
79.9175

■ 26.3123, 29.5465,  
79.9175

276.5405,  
299.7848, 514.3542

■ 17.1913, 19.4946,  
59.1247

■ 53.2061, 58.9443,  
135.0601

■ 10.4671, 12.0282,  
42.2928

■ 71.7095, 79.0589,  
170.2470

■ 5.7744, 6.7629,  
29.0034

■ 94.0712, 103.2966,  
211.0689

■ 2.7477, 3.3143,  
18.8378

■ 120.6565,  
132.0418, 257.9445

■ 1.0218, 1.2979,  
11.3775

■ 151.8307,  
165.6788, 311.2923

■ 0.0000, 0.1396,  
6.2040

187.9592,

■ 0.0000, 0.0000,

204.5921, 371.5308

2.8987

229.4073,  
249.1659, 439.0786

■ 0.0000, 0.0000,  
1.0432

■ 0.0000, 0.0000,  
0.0000

■ 26.3123, 29.5465,  
79.9175

■ 26.3123, 29.5465,  
79.9175

■ 26.3093, 29.5402,  
79.9171

■ 27.9678, 32.3272,  
80.3676

■ 30.1264, 35.4844,  
80.8633

■ 32.9255, 39.0912,  
81.4119

■ 36.4448, 43.1906,  
82.0177

■ 40.7516, 47.8191,  
82.6841

■ 45.9049, 53.0090,  
83.4142

■ 51.9578, 58.7896,  
84.2110

■ 58.9587, 65.1874,  
85.0769

■ 66.9526, 72.2273,  
86.0144

# Harmonies

## Analogous

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



21.1999, 29.5465, 67.4702



26.3123, 29.5465, 79.9175



32.7207, 29.5465, 76.3214

# Triad

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



26.3123, 29.5465, 79.9175



40.8967, 29.5465, 21.1359



19.6641, 29.5465, 15.0528

# Complementary

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



26.3123, 29.5465, 79.9175



35.4759, 22.0297, 2.3842

# 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.



23.9057, 29.5465, 9.5162



26.3123, 29.5465, 79.9175



36.3149, 29.5465, 12.0070

# Square

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



26.3123, 29.5465, 79.9175



41.7963, 29.5465, 37.6361



29.9315, 29.5465, 8.6595



17.7546, 29.5465, 27.2625



# Rectangle

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



26.3123, 29.5465, 79.9175



36.8478, 29.5465, 65.7261



29.9315, 29.5465, 8.6595



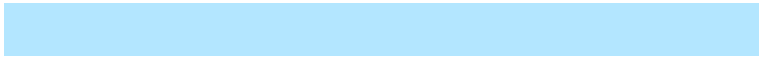
20.8316, 29.5465, 12.5723

# Sweetspot

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



26.3134, 29.5474, 79.9183



64.8653, 73.4247, 105.3614



29.7859, 57.6363, 15.8920



13.1683, 15.0411, 22.4591



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

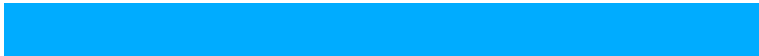


# Same Dimension

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



26.3134, 29.5474, 79.9183



32.8381, 36.7961, 99.9794



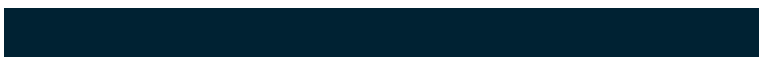
15.2670, 7.4545, 76.2361



14.3923, 15.5059, 18.3787



14.8667, 16.7954, 44.8415



1.1821, 1.4082, 3.3415



# Inverse Universe

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



38.9568, 19.3908, 33.1427



48.7043, 24.2457, 41.2366



51.0806, 53.2392, 7.5857



14.7856, 14.5314, 17.0712



21.8975, 10.8932, 18.8871



1.6603, 0.8218, 1.6178



# Previews

## White Background



This preview shows how the XYZ color 26.3123, 29.5465, 79.9175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

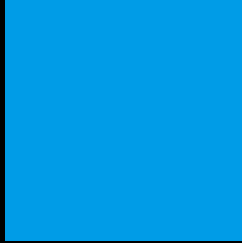
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.3123, 29.5465, 79.9175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

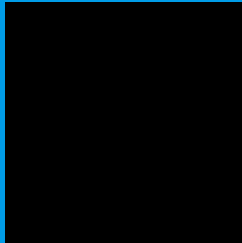
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 26.3123, 29.5465, 79.9175**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.3123, 29.5465, 79.9175.



This preview shows how white text looks on a background with the XYZ color 26.3123, 29.5465,



# 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

26.3123, 29.5465, 79.9175

### Protanopia

30.7701, 29.1600, 72.4133

### Deuteranopia

30.2873, 29.4033, 81.1699



## Tritanopia

20.8351, 29.2895, 45.1128

# Trichromacy



## Original Color

26.3123, 29.5465, 79.9175

## Protanomaly

27.1610, 28.1526, 75.2366

## Deuteranomaly

27.5217, 28.6956, 80.4322

## Tritanomaly

22.4211, 29.0817, 56.0614

# Monochromacy



## Original Color

26.3123, 29.5465, 79.9175

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

17.4109, 20.5016, 35.8404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.3123, 29.5465, 79.9175 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, 156, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 231)  
}
```

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, 156, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 26.3123, 29.5465, 79.9175 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, 156, 231) }
```



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

```
.border{ border-color:rgb(0, 156, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.3123, 29.5465, 79.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 231) }
```

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

```
.background{ background-color: rgb(0, 156,  
231) }
```

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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