

Converting Colors

XYZ(26.9768, 31.7805, 77.3493)

Have a look what the booklet for
XYZ(26.9768, 31.7805, 77.3493)
contains.

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Color

**XYZ(26.9623, 31.7404,
77.3785)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3E3
RGB	0, 163, 227
RGB Percent	0%, 64%, 89%
CMY	0.9998, 0.3608, 0.1098
CMYK	1.00, 0.28, 0.00, 0.11
HSL	197°, 100%, 45%
HSV	197°, 100%, 89%
XYZ	26.9623, 31.7404, 77.3785
YIQ	121.5590, -117.6920, -14.6520

Conversions

Conversions Part 2

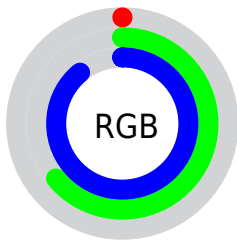
Format	Color
RYB	0, 95, 227
Decimal	41955
CIELab	63.13, -12.54, -42.05
CIELCh	63, 43.879, 253.398
Yxy	31.7404, 0.1981, 0.2332
Android (android.graphics.Color)	4278232035 (0xFF00A3E3)
YUV	121.5590, 51.9824, -106.6072
Hunter-Lab	56.3386, -13.1668, -41.9951

Details

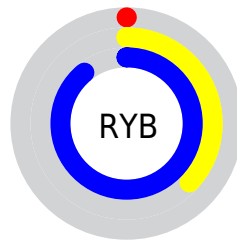
The XYZ color **26.9623, 31.7404, 77.3785** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **33.5158, 20.0045, 2.0964**, and the grayscale version is **18.2250, 19.1741, 20.8806**.

A 20% lighter version of the original color is **49.0653, 60.4270, 103.6853**, and **13.0351, 14.3092, 40.6030** is the 20% darker color. If you saturate the color by 10%, you get **26.9598, 31.7352, 77.3783**, and if you desaturate by 10%, it is **28.4762, 34.2516, 77.7841**.

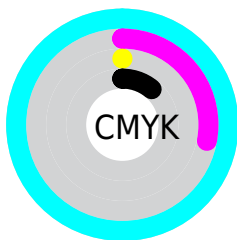
Distribution



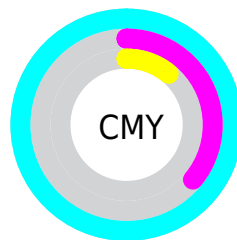
- Red (0%)
- Green (64%)
- Blue (89%)



- Red (0%)
- Yellow (37%)
- Blue (89%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9623, 31.7404, 77.3785 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 26.9623, 31.7404, 77.3785 by changing the saturation by 10% instead.

■ 26.9623, 31.7404,
77.3785

■ 26.9623, 31.7404,
77.3785

279.6454,
309.9350, 505.5255

■ 17.6814, 21.1633,
57.0502

■ 54.2437, 62.4039,
131.4515

■ 10.8198, 13.2434,
40.6359

■ 72.9748, 83.2591,
166.0333

■ 6.0122, 7.5964,
27.7171

■ 95.5867, 108.3091,
206.2033

■ 2.8932, 3.8378,
17.8754

■ 122.4448,
137.9383, 252.3800

■ 1.0975, 1.5832,
10.6920

■ 153.9143,
172.5311, 304.9821

■ 0.0231, 0.3463,
5.7486

190.3607,

■ 0.0000, 0.0000,

212.4718, 364.4280

2.6265

232.1493,
258.1450, 431.1363

■ 0.0000, 0.0000,
0.9061

■ 0.0000, 0.0000,
0.0000

■ 26.9623, 31.7404,
77.3785

■ 26.9623, 31.7404,
77.3785

■ 26.9598, 31.7352,
77.3783

■ 28.4762, 34.2516,
77.7841

■ 30.4548, 37.0886,
78.2274

■ 33.0305, 40.3212,
78.7156

■ 36.2791, 43.9898,
79.2525

■ 40.2646, 48.1285,
79.8413

■ 45.0433, 52.7672,
80.4848

■ 50.6654, 57.9333,
81.1856

■ 57.1770, 63.6513,
81.9461

■ 64.6207, 69.9445,
82.7685

Harmonies

Analogous

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



22.4742, 31.7404, 62.9074



26.9623, 31.7404, 77.3785



32.9476, 31.7404, 78.2071

Triad

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



26.9623, 31.7404, 77.3785



42.9718, 31.7404, 27.3943



22.8546, 31.7404, 15.5516

Complementary

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



26.9623, 31.7404, 77.3785



33.5158, 20.0045, 2.0964

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.



27.5498, 31.7404, 11.2117



26.9623, 31.7404, 77.3785



39.4441, 31.7404, 16.3385

Square

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



26.9623, 31.7404, 77.3785



42.7589, 31.7404, 44.9899



33.6189, 31.7404, 11.4411



20.3291, 31.7404, 25.8810

Rectangle

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



26.9623, 31.7404, 77.3785



37.0423, 31.7404, 70.5446



33.6189, 31.7404, 11.4411



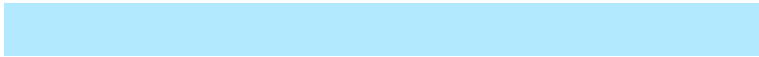
24.2021, 31.7404, 13.5264

Sweetspot

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



26.9635, 31.7414, 77.3793



65.7848, 75.2638, 105.6679



28.3010, 55.2714, 13.5321



13.3886, 15.4818, 22.5326



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.



26.9635, 31.7414, 77.3793



35.0017, 41.1234, 100.7006



15.1396, 8.0937, 73.4380



14.4459, 15.6133, 18.3966



15.8265, 18.7151, 45.1614



1.2473, 1.5385, 3.3632

Inverse Universe

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



38.2905, 18.9767, 36.2958



49.7964, 24.6826, 46.9876



46.8244, 46.6217, 6.5326



14.8127, 14.5423, 17.2140



22.3820, 11.0870, 21.4383



1.6932, 0.8350, 1.7909

Previews

White Background



This preview shows how the XYZ color 26.9623, 31.7404, 77.3785 looks on a white background.

Color Contrast Check

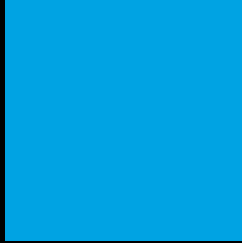
Large Text (above 18pt) WCAG AA × Fail

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 26.9623, 31.7404, 77.3785 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 26.9623, 31.7404, 77.3785

Background



This preview shows how black text looks on a background with the XYZ color 26.9623, 31.7404, 77.3785.

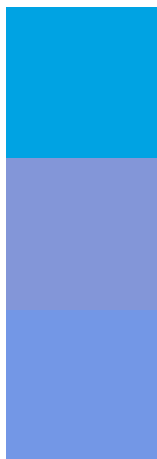


This preview shows how white text looks on a background with the XYZ color 26.9623, 31.7404,

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

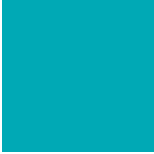
26.9623, 31.7404, 77.3785

Protanopia

32.6611, 31.5959, 69.3429

Deuteranopia

32.4198, 31.4912, 79.2326



Tritanopia

22.5285, 31.7121, 48.6497

Trichromacy



Original Color

26.9623, 31.7404, 77.3785

Protanomaly

28.2069, 30.4490, 72.1007

Deuteranomaly

28.6119, 30.5163, 78.5110

Tritanomaly

24.0118, 31.7147, 58.2821

Monochromacy



Original Color

26.9623, 31.7404, 77.3785

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4327, 22.0491, 36.5421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9623, 31.7404, 77.3785 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, 163, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 227)  
}
```

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, 163, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 227) }
```

Border

The CSS property to change the border of an element to XYZ 26.9623, 31.7404, 77.3785 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, 163, 227) }
```


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

```
.border{ border-color:rgb(0, 163, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9623, 31.7404, 77.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 227) }
```

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

```
.background{ background-color: rgb(0, 163,  
227) }
```

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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