

Converting Colors

XYZ(12.0146, 24.4180, 74.6839)

Have a look what the booklet for
XYZ(12.0146, 24.4180, 74.6839)
contains.

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Color

**XYZ(26.7300, 31.9327,
75.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4E0
RGB	0, 164, 224
RGB Percent	0%, 64%, 88%
CMY	0.9998, 0.3569, 0.1216
CMYK	1.00, 0.27, 0.00, 0.12
HSL	196°, 100%, 44%
HSV	196°, 100%, 88%
XYZ	26.7300, 31.9327, 75.2758
YIQ	121.8040, -117.0040, -16.1080

Conversions

Conversions Part 2

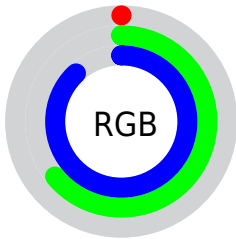
Format	Color
RYB	0, 95, 224
Decimal	42208
CIELab	63.29, -14.17, -40.14
CIELCh	63, 42.572, 250.557
Yxy	31.9327, 0.1996, 0.2384
Android (android.graphics.Color)	4278232288 (0xFF00A4E0)
YUV	121.8040, 50.3826, -106.8221
Hunter-Lab	56.5090, -14.4564, -39.4240

Details

The XYZ color **26.7300, 31.9327, 75.2758** 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 **32.3600, 19.0853, 1.9800**, and the grayscale version is **18.3093, 19.2628, 20.9771**.

A 20% lighter version of the original color is **49.2072, 60.8863, 103.7665**, and **12.8621, 14.4155, 39.1504** is the 20% darker color. If you saturate the color by 10%, you get **26.7276, 31.9278, 75.2756**, and if you desaturate by 10%, it is **28.1711, 34.3083, 75.6591**.

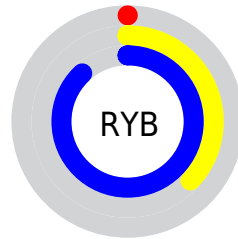
Distribution



Red (0%)

Green (64%)

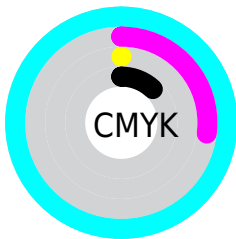
Blue (88%)



Red (0%)

Yellow (37%)

Blue (88%)

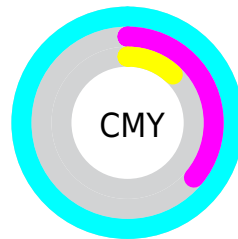


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (36%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7300, 31.9327, 75.2758 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 26.7300, 31.9327, 75.2758 by changing the saturation by 10% instead.

■ 26.7300, 31.9327,
75.2758

■ 26.7300, 31.9327,
75.2758

278.5389,
310.8126, 498.1457

■ 17.5061, 21.3101,
55.3358

■ 53.8733, 62.7056,
128.4534

■ 10.6935, 13.3509,
39.2702

■ 72.5233, 83.6246,
162.5280

■ 5.9269, 7.6706,
26.6605

■ 95.0461, 108.7446,
202.1513

■ 2.8409, 3.8849,
17.0883

■ 121.8070,
138.4500, 247.7417

■ 1.0702, 1.6094,
10.1348

■ 153.1714,
173.1250, 299.7178

■ 0.0000, 0.3639,
5.3817

189.5046,

■ 0.0000, 0.0000,

213.1542, 358.4981

2.4103

231.1720,
258.9219, 424.5012

■ 0.0000, 0.0000,
0.7920

■ 0.0000, 0.0000,
0.0000

■ 26.7300, 31.9327,
75.2758

■ 26.7300, 31.9327,
75.2758

■ 26.7276, 31.9278,
75.2756

■ 28.1711, 34.3083,
75.6591

■ 30.0569, 36.9891,
76.0771

■ 32.5164, 40.0427,
76.5369

■ 35.6229, 43.5082,
77.0421

■ 39.4381, 47.4181,
77.5957

■ 44.0163, 51.8015,
78.2004

■ 49.4061, 56.6843,
78.8588

■ 55.6520, 62.0903,
79.5731

■ 62.7950, 68.0416,
80.3454

Harmonies

Analogous

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



22.5235, 31.9327, 60.4555



26.7300, 31.9327, 75.2758



32.4769, 31.9327, 77.4768

Triad

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



26.7300, 31.9327, 75.2758



42.9225, 31.9327, 29.1509



23.5575, 31.9327, 15.4685

Complementary

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



26.7300, 31.9327, 75.2758



32.3600, 19.0853, 1.9800

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.



28.3201, 31.9327, 11.6145



26.7300, 31.9327, 75.2758



39.8097, 31.9327, 17.6364

Square

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



26.7300, 31.9327, 75.2758



42.3520, 31.9327, 46.7415



34.2852, 31.9327, 12.2529



20.8628, 31.9327, 25.0388

Rectangle

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



26.7300, 31.9327, 75.2758



36.4903, 31.9327, 70.9132



34.2852, 31.9327, 12.2529



24.9422, 31.9327, 13.6279

Sweetspot

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



26.7312, 31.9338, 75.2766



66.0915, 75.8772, 105.7701



27.4663, 53.6361, 13.1492



13.4623, 15.6290, 22.5571



0.0000, 0.0000, 0.0000



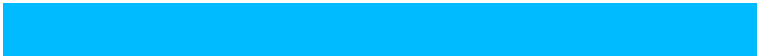
20.3446, 21.4041, 23.3091

Same Dimension

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



26.7312, 31.9338, 75.2766



35.7524, 42.6249, 100.9508



14.6974, 7.8662, 71.2653



13.7897, 14.9186, 17.5405



15.6566, 18.7829, 43.8486



1.1578, 1.4470, 3.0635

Inverse Universe

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



37.4424, 18.5291, 36.7258



50.1754, 24.8342, 48.9831



45.4456, 45.2567, 6.3418



14.1301, 13.8697, 16.4552



21.8430, 10.8042, 21.6365



1.5506, 0.7635, 1.6925

Previews

White Background



This preview shows how the XYZ color 26.7300, 31.9327, 75.2758 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 26.7300, 31.9327, 75.2758 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

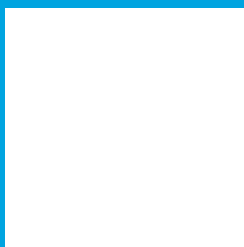
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.7300, 31.9327, 75.2758

Background



This preview shows how black text looks on a background with the XYZ color 26.7300, 31.9327, 75.2758.

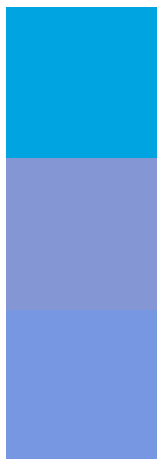


This preview shows how white text looks on a background with the XYZ color 26.7300, 31.9327,

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

26.7300, 31.9327, 75.2758

Protanopia

32.5895, 31.6033, 67.3332

Deuteranopia

32.5395, 31.6012, 77.0577



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

26.7300, 31.9327, 75.2758



Protanomaly

27.9920, 30.3837, 70.0350



Deuteranomaly

28.5964, 30.8044, 76.3902



Tritanomaly

23.8968, 31.6687, 57.6765

Monochromacy



Original Color

26.7300, 31.9327, 75.2758



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.3456, 22.0142, 36.0831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7300, 31.9327, 75.2758 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, 164, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 224) }
```

Border

The CSS property to change the border of an element to XYZ 26.7300, 31.9327, 75.2758 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, 164, 224) }
```


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

```
.border{ border-color:rgb(0, 164, 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, 164, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7300, 31.9327, 75.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 224) }
```

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

```
.background{ background-color: rgb(0, 164,  
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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