

Converting Colors

XYZ(15.9363, 25.3272, 68.4625)

Have a look what the booklet for
XYZ(15.9363, 25.3272, 68.4625)
contains.

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Color

**XYZ(24.6639, 29.7026,
68.7232)**

Conversions

Conversions Part 1

Format	Color
Hex	009FD7
RGB	0, 159, 215
RGB Percent	0%, 62%, 84%
CMY	0.9998, 0.3765, 0.1569
CMYK	1.00, 0.26, 0.00, 0.16
HSL	196°, 100%, 42%
HSV	196°, 100%, 84%
XYZ	24.6639, 29.7026, 68.7232
YIQ	117.8430, -112.7400, -16.2920

Conversions

Conversions Part 2

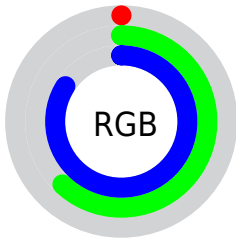
Format	Color
RYB	0, 91, 215
Decimal	40919
CIELab	61.40, -14.69, -38.12
CIElCh	61, 40.848, 248.923
Yxy	29.7026, 0.2004, 0.2413
Android (android.graphics.Color)	4278230999 (0xFF009FD7)
YUV	117.8430, 47.8984, -103.3483
Hunter-Lab	54.5001, -14.5954, -36.6131

Details

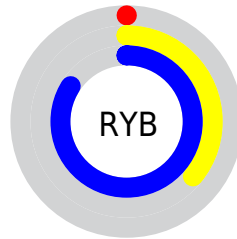
The XYZ color **24.6639, 29.7026, 68.7232** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.4416, 17.2807, 1.7853**, and the grayscale version is **17.0564, 17.9447, 19.5418**.

A 20% lighter version of the original color is **47.6901, 58.1967, 103.3273**, and **11.7077, 13.2632, 35.2007** is the 20% darker color. If you saturate the color by 10%, you get **24.6619, 29.6985, 68.7231**, and if you desaturate by 10%, it is **25.9706, 31.8392, 69.0674**.

Distribution



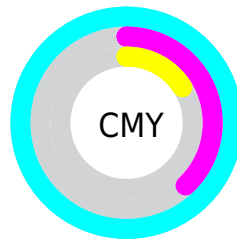
- Red (0%)
- Green (62%)
- Blue (84%)



- Red (0%)
- Yellow (36%)
- Blue (84%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6639, 29.7026, 68.7232 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 24.6639, 29.7026, 68.7232 by changing the saturation by 10% instead.

■ 24.6639, 29.7026,
68.7232

■ 24.6639, 29.7026,
68.7232

268.5386,
300.5157, 474.7216

■ 15.9542, 19.6130,
50.0160

■ 50.5583, 59.1915,
119.0501

■ 9.5824, 12.1140,
35.0548

■ 68.4737, 79.3596,
151.5069

■ 5.1831, 6.8214,
23.4212

■ 90.1884, 103.6560,
189.3839

■ 2.3910, 3.3506,
14.6966

■ 116.0677,
132.4650, 233.0997

■ 0.8406, 1.3174,
8.4625

■ 146.4770,
166.1711, 283.0728

■ 0.0000, 0.1546,
4.3003

181.7817,

■ 0.0000, 0.0000,

205.1587, 339.7218

1.7915

222.3471,
249.8121, 403.4652

■ 0.0000, 0.0000,
0.4223

■ 0.0000, 0.0000,
0.0000

■ 24.6639, 29.7026,
68.7232

■ 24.6639, 29.7026,
68.7232

■ 24.6619, 29.6985,
68.7231

■ 25.9706, 31.8392,
69.0674

■ 27.6774, 34.2472,
69.4422

■ 29.9036, 36.9895,
69.8542

■ 32.7153, 40.1008,
70.3065

■ 36.1681, 43.6107,
70.8020

■ 40.3110, 47.5452,
71.3431

■ 45.1880, 51.9276,
71.9319

■ 50.8391, 56.7796,
72.5706

■ 57.3017, 62.1208,
73.2610

Harmonies

Analogous

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



20.9076, 29.7026, 54.8196



24.6639, 29.7026, 68.7232



29.8707, 29.7026, 71.4484

Triad

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



24.6639, 29.7026, 68.7232



39.7654, 29.7026, 27.9496



22.2044, 29.7026, 14.3009

Complementary

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



24.6639, 29.7026, 68.7232



29.4416, 17.2807, 1.7853

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.



26.6532, 29.7026, 10.9791



24.6639, 29.7026, 68.7232



37.0923, 29.7026, 17.0400

Square

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



24.6639, 29.7026, 68.7232



39.0556, 29.7026, 44.2405



32.1274, 29.7026, 11.7902



19.6184, 29.7026, 22.7931

Rectangle

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



24.6639, 29.7026, 68.7232



33.5498, 29.7026, 65.9232



32.1274, 29.7026, 11.7902



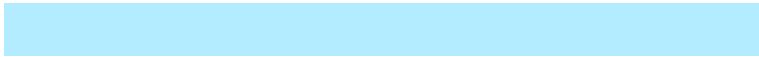
23.5071, 29.7026, 12.6887

Sweetspot

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



24.6650, 29.7036, 68.7240



66.2534, 76.2009, 105.8241



24.9623, 48.8660, 11.5807



13.5012, 15.7068, 22.5701



0.0000, 0.0000, 0.0000



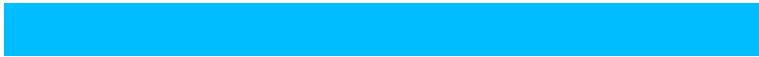
20.3446, 21.4041, 23.3091

Same Dimension

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



24.6650, 29.7036, 68.7240



36.1545, 43.4289, 101.0848



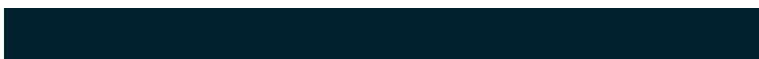
13.5759, 7.5255, 65.0276



12.5057, 13.5348, 15.8909



14.8407, 17.9432, 41.1344



0.9605, 1.2131, 2.5028

Inverse Universe

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



34.2833, 16.9516, 34.2668



50.3783, 24.9153, 50.0516



40.8159, 40.0294, 5.5767



12.8084, 12.5749, 14.9315



20.5498, 10.1562, 20.7310



1.2725, 0.6258, 1.4242

Previews

White Background



This preview shows how the XYZ color 24.6639, 29.7026, 68.7232 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 24.6639, 29.7026, 68.7232 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 24.6639, 29.7026, 68.7232

Background



This preview shows how black text looks on a background with the XYZ color 24.6639, 29.7026, 68.7232.

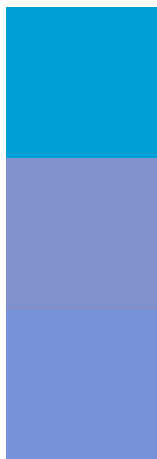


This preview shows how white text looks on a background with the XYZ color 24.6639, 29.7026,

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

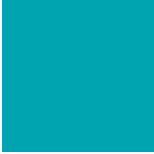
24.6639, 29.7026, 68.7232

Protanopia

30.2304, 29.3563, 61.1998

Deuteranopia

30.2699, 29.4016, 70.4094



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

24.6639, 29.7026, 68.7232



Protanomaly

25.8588, 28.2058, 63.7559



Deuteranomaly

26.4150, 28.5988, 69.7735



Tritanomaly

22.2146, 29.5584, 53.2497

Monochromacy



Original Color

24.6639, 29.7026, 68.7232



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

17.0389, 20.5708, 33.2095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6639, 29.7026, 68.7232 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 215) }
```

Border

The CSS property to change the border of an element to XYZ 24.6639, 29.7026, 68.7232 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, 215) }
```


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

```
.border{ border-color:rgb(0, 159, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6639, 29.7026, 68.7232 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, 215) }
```

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

```
.background{ background-color: rgb(0, 159,  
215) }
```

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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