

Converting Colors

XYZ(24.3764, 28.1238, 71.7220)

Have a look what the booklet for
XYZ(24.3764, 28.1238, 71.7220)
contains.

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Color

**XYZ(24.4739, 28.2785,
71.8785)**

Conversions

Conversions Part 1

Format	Color
Hex	009ADC
RGB	0, 154, 220
RGB Percent	0%, 60%, 86%
CMY	0.9998, 0.3961, 0.1373
CMYK	1.00, 0.30, 0.00, 0.14
HSL	198°, 100%, 43%
HSV	198°, 100%, 86%
XYZ	24.4739, 28.2785, 71.8785
YIQ	115.4780, -112.9700, -12.1220

Conversions

Conversions Part 2

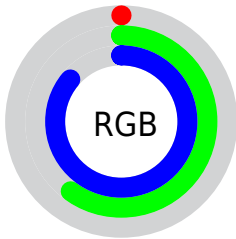
Format	Color
RYB	0, 91, 220
Decimal	39644
CIELab	60.14, -10.09, -42.87
CIELCh	60, 44.041, 256.754
Yxy	28.2785, 0.1964, 0.2269
Android (android.graphics.Color)	4278229724 (0xFF009ADC)
YUV	115.4780, 51.5293, -101.2742
Hunter-Lab	53.1775, -10.9096, -42.9163

Details

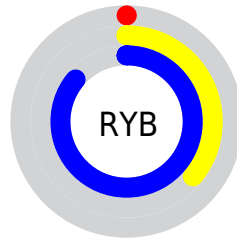
The XYZ color **24.4739, 28.2785, 71.8785** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **31.4674, 19.1191, 2.0335**, and the grayscale version is **16.3193, 17.1692, 18.6973**.

A 20% lighter version of the original color is **46.3148, 55.2748, 102.8358**, and **11.6418, 12.4171, 37.3805** is the 20% darker color. If you saturate the color by 10%, you get **24.4713, 28.2732, 71.8782**, and if you desaturate by 10%, it is **25.9262, 30.6899, 72.2680**.

Distribution



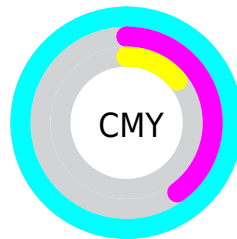
- Red (0%)
- Green (60%)
- Blue (86%)



- Red (0%)
- Yellow (36%)
- Blue (86%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (40%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4739, 28.2785, 71.8785 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 24.4739, 28.2785, 71.8785 by changing the saturation by 10% instead.

■ 24.4739, 28.2785,
71.8785

■ 24.4739, 28.2785,
71.8785

267.6039,
293.7953, 486.0848

■ 15.8122, 18.5357,
52.5732

■ 50.2515, 56.9288,
123.5899

■ 9.4813, 11.3353,
37.0768

■ 68.0981, 76.6050,
156.8331

■ 5.1161, 6.2928,
24.9707

■ 89.7370, 100.3613,
195.5593

■ 2.3510, 3.0239,
15.8364

■ 115.5336,
128.5818, 240.1870

■ 0.8206, 1.1442,
9.2554

■ 145.8532,
161.6511, 291.1349

■ 0.0000, 0.0154,
4.8090

181.0613,

■ 0.0000, 0.0000,

199.9535, 348.8215

2.0789

221.5230,
243.8734, 413.6653

■ 0.0000, 0.0000,
0.6032

■ 0.0000, 0.0000,
0.0000

■ 24.4739, 28.2785,
71.8785

■ 24.4739, 28.2785,
71.8785

■ 24.4713, 28.2732,
71.8782

■ 25.9262, 30.6899,
72.2680

■ 27.8159, 33.4167,
72.6947

■ 30.2678, 36.5251,
73.1655

■ 33.3523, 40.0526,
73.6838

■ 37.1286, 44.0311,
74.2527

■ 41.6489, 48.4886,
74.8748

■ 46.9599, 53.4507,
75.5527

■ 53.1044, 58.9405,
76.2885

■ 60.1221, 64.9797,
77.0843

Harmonies

Analogous

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



20.1250, 28.2785, 59.3293



24.4739, 28.2785, 71.8785



30.1192, 28.2785, 71.0181

Triad

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



24.4739, 28.2785, 71.8785



38.6277, 28.2785, 22.6936



19.7413, 28.2785, 14.0648

Complementary

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



24.4739, 28.2785, 71.8785



31.4674, 19.1191, 2.0335

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.



23.8778, 28.2785, 9.6283



24.4739, 28.2785, 71.8785



34.9940, 28.2785, 13.2842

Square

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



24.4739, 28.2785, 71.8785



38.8464, 28.2785, 38.4512



29.4343, 28.2785, 9.4039



17.6611, 28.2785, 24.2215

Rectangle

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



24.4739, 28.2785, 71.8785



33.8865, 28.2785, 62.8918



29.4343, 28.2785, 9.4039



20.9091, 28.2785, 12.0373

Sweetspot

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



24.4750, 28.2794, 71.8792



65.3941, 74.4823, 105.5376



26.5787, 51.5811, 13.7160



13.2949, 15.2943, 22.5013



0.0000, 0.0000, 0.0000



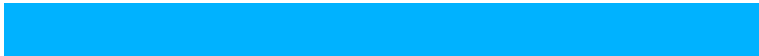
20.3446, 21.4041, 23.3091

Same Dimension

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



24.4750, 28.2794, 71.8792



34.0662, 39.2524, 100.3887



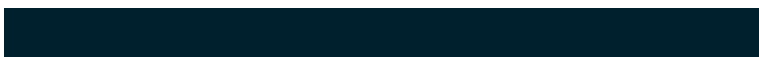
13.8216, 6.9726, 68.3281



13.0979, 14.1355, 16.6902



14.4636, 16.7967, 42.2182



1.0111, 1.2363, 2.7598

Inverse Universe

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



35.3489, 17.5502, 32.0969



49.3242, 24.4937, 44.5010



45.0435, 46.2715, 6.5589



13.4393, 13.2048, 15.5744



20.7959, 10.3194, 19.1031



1.3846, 0.6835, 1.4345

Previews

White Background



This preview shows how the XYZ color 24.4739, 28.2785, 71.8785 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 24.4739, 28.2785, 71.8785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

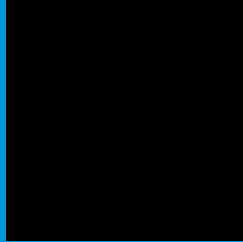
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4739, 28.2785, 71.8785

Background



This preview shows how black text looks on a background with the XYZ color 24.4739, 28.2785, 71.8785.

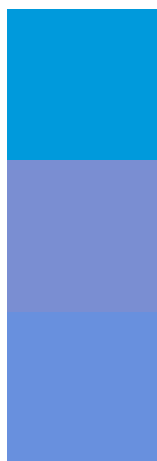


This preview shows how white text looks on a background with the XYZ color 24.4739, 28.2785,

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

24.4739, 28.2785, 71.8785

Protanopia

29.3319, 28.1367, 64.8577

Deuteranopia

28.8670, 28.1635, 73.0219



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



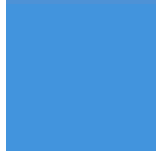
Original Color

24.4739, 28.2785, 71.8785



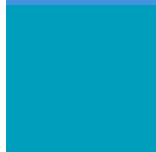
Protanomaly

25.5584, 27.0325, 67.4891



Deuteranomaly

25.8878, 27.5585, 72.3615



Tritanomaly

21.4122, 28.1278, 52.4448

Monochromacy



Original Color

24.4739, 28.2785, 71.8785



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

16.3477, 19.4169, 33.0232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4739, 28.2785, 71.8785 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, 154, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 220)  
}
```

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, 154, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 220) }
```

Border

The CSS property to change the border of an element to XYZ 24.4739, 28.2785, 71.8785 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, 154, 220) }
```


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

```
.border{ border-color:rgb(0, 154, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4739, 28.2785, 71.8785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 220) }
```

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

```
.background{ background-color: rgb(0, 154,  
220) }
```

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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