

Converting Colors

XYZ(17.4974, 25.0872, 71.6104)

Have a look what the booklet for
XYZ(17.4974, 25.0872, 71.6104)
contains.

XYZ(24.8067, 28.9442, 71.9895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.8067, 28.9442,
71.9895)**

Conversions

Conversions Part 1

Format	Color
Hex	009CDC
RGB	0, 156, 220
RGB Percent	0%, 61%, 86%
CMY	0.9998, 0.3882, 0.1373
CMYK	1.00, 0.29, 0.00, 0.14
HSL	197°, 100%, 43%
HSV	197°, 100%, 86%
XYZ	24.8067, 28.9442, 71.9895
YIQ	116.6520, -113.5200, -13.1680

Conversions

Conversions Part 2

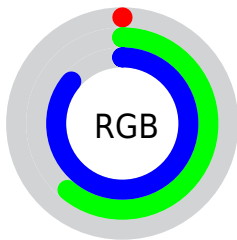
Format	Color
RYB	0, 91, 220
Decimal	40156
CIELab	60.73, -11.21, -41.94
CIElCh	61, 43.410, 255.032
Yxy	28.9442, 0.1973, 0.2302
Android (android.graphics.Color)	4278230236 (0xFF009CDC)
YUV	116.6520, 50.9506, -102.3038
Hunter-Lab	53.7998, -11.8446, -41.6760

Details

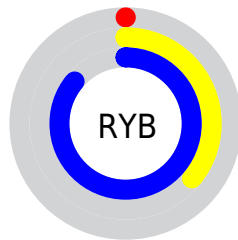
The XYZ color **24.8067, 28.9442, 71.9895** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **31.3521, 18.8886, 1.9949**, and the grayscale version is **16.6790, 17.5477, 19.1094**.

A 20% lighter version of the original color is **46.8055, 56.2562, 102.9994**, and **11.8431, 12.8198, 37.4476** is the 20% darker color. If you saturate the color by 10%, you get **24.8045, 28.9397, 71.9894**, and if you desaturate by 10%, it is **26.2419, 31.3214, 72.3733**.

Distribution



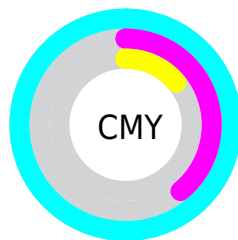
- Red (0%)
- Green (61%)
- Blue (86%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (39%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8067, 28.9442, 71.9895 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 24.8067, 28.9442, 71.9895 by changing the saturation by 10% instead.

■ 24.8067, 28.9442,
71.9895

■ 24.8067, 28.9442,
71.9895

269.2394,
296.9516, 486.4816

■ 16.0611, 19.0386,
52.6633

■ 50.7886, 57.9884,
123.7492

■ 9.6585, 11.6982,
37.1482

■ 68.7556, 77.8958,
157.0198

■ 5.2336, 6.5385,
25.0256

■ 90.5271, 101.9060,
195.7756

■ 2.4212, 3.1752,
15.8769

■ 116.4684,
130.4033, 240.4351

■ 0.8557, 1.2239,
9.2837

■ 146.9450,
163.7721, 291.4169

■ 0.0000, 0.0811,
4.8273

182.3221,

■ 0.0000, 0.0000,

202.3968, 349.1396

2.0894

222.9651,
246.6618, 414.0217

■ 0.0000, 0.0000,
0.6094

■ 0.0000, 0.0000,
0.0000

■ 24.8067, 28.9442,
71.9895

■ 24.8067, 28.9442,
71.9895

■ 24.8045, 28.9397,
71.9894

■ 26.2419, 31.3214,
72.3733

■ 28.1110, 34.0072,
72.7932

■ 30.5388, 37.0676,
73.2560

■ 33.5956, 40.5400,
73.7651

■ 37.3406, 44.4560,
74.3236

■ 41.8257, 48.8437,
74.9341

■ 47.0978, 53.7282,
75.5990

■ 53.1995, 59.1328,
76.3206

■ 60.1704, 65.0788,
77.1009

Harmonies

Analogous

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



20.5435, 28.9442, 58.9537



24.8067, 28.9442, 71.9895



30.4168, 28.9442, 71.9737

Triad

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



24.8067, 28.9442, 71.9895



39.3542, 28.9442, 24.1344



20.5364, 28.9442, 14.2823

Complementary

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



24.8067, 28.9442, 71.9895



31.3521, 18.8886, 1.9949

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.



24.7956, 28.9442, 10.0458



24.8067, 28.9442, 71.9895



35.8978, 28.9442, 14.2676

Square

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



24.8067, 28.9442, 71.9895



39.3583, 28.9442, 40.2258



30.4042, 28.9442, 10.0416



18.3167, 28.9442, 24.1629

Rectangle

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



24.8067, 28.9442, 71.9895



34.2090, 28.9442, 64.3537



30.4042, 28.9442, 10.0416



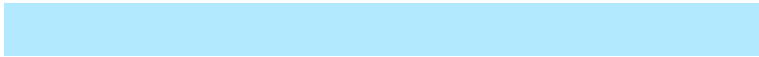
21.7492, 28.9442, 12.3268

Sweetspot

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



24.8078, 28.9452, 71.9902



65.5905, 74.8752, 105.6031



26.4738, 51.5391, 13.1638



13.3420, 15.3885, 22.5170



0.0000, 0.0000, 0.0000



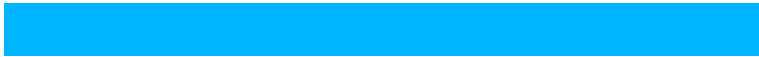
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8078, 28.9452, 71.9902



34.5335, 40.1870, 100.5445



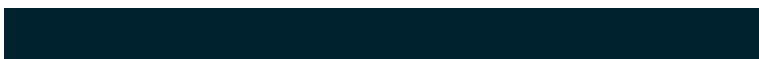
13.9641, 7.2578, 68.3757



13.1082, 14.1561, 16.6937



14.6577, 17.1849, 42.2829



1.0225, 1.2591, 2.7636

Inverse Universe

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



35.5169, 17.6173, 32.9817



49.5601, 24.5880, 45.7432



44.3341, 44.8526, 6.3223



13.4445, 13.2069, 15.6019



20.8939, 10.3586, 19.6190



1.3904, 0.6858, 1.4647

Previews

White Background



This preview shows how the XYZ color 24.8067, 28.9442, 71.9895 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 24.8067, 28.9442, 71.9895 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 24.8067, 28.9442, 71.9895

Background



This preview shows how black text looks on a background with the XYZ color 24.8067, 28.9442, 71.9895.

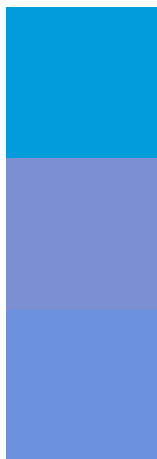


This preview shows how white text looks on a background with the XYZ color 24.8067, 28.9442,

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

24.8067, 28.9442, 71.9895

Protanopia

29.7675, 28.5832, 64.9210

Deuteranopia

29.6290, 28.7667, 73.8029



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

24.8067, 28.9442, 71.9895



Protanomaly

25.9520, 27.6971, 67.5966



Deuteranomaly

26.3865, 28.0340, 73.1276



Tritanomaly

21.9748, 28.9032, 53.7109

Monochromacy



Original Color

24.8067, 28.9442, 71.9895



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.7731, 20.0215, 33.5524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8067, 28.9442, 71.9895 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 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, 156, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 220) }
```

Border

The CSS property to change the border of an element to XYZ 24.8067, 28.9442, 71.9895 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, 220) }
```


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

```
.border{ border-color:rgb(0, 156, 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, 156, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8067, 28.9442, 71.9895 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, 220) }
```

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

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