

Converting Colors

XYZ(24.8385, 31.7450, 63.5617)

Have a look what the booklet for
XYZ(24.8385, 31.7450, 63.5617)
contains.

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Color

**XYZ(24.8987, 31.7774,
63.8528)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6CF
RGB	0, 166, 207
RGB Percent	0%, 65%, 81%
CMY	0.9998, 0.3490, 0.1882
CMYK	1.00, 0.20, 0.00, 0.19
HSL	192°, 100%, 41%
HSV	192°, 100%, 81%
XYZ	24.8987, 31.7774, 63.8528
YIQ	121.0400, -112.0970, -22.4410

Conversions

Conversions Part 2

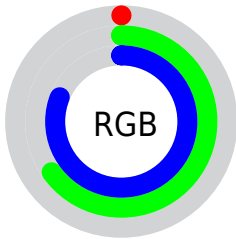
Format	Color
RYB	0, 92, 207
Decimal	42703
CIELab	63.16, -21.27, -30.93
CIELCh	63, 37.536, 235.475
Yxy	31.7774, 0.2066, 0.2636
Android (android.graphics.Color)	4278232783 (0xFF00A6CF)
YUV	121.0400, 42.3783, -106.1521
Hunter-Lab	56.3714, -19.8084, -27.6987

Details

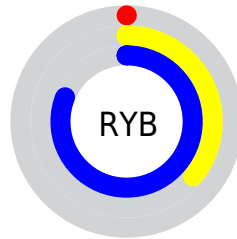
The XYZ color **24.8987, 31.7774, 63.8528** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.5273, 14.8549, 1.4706**, and the grayscale version is **18.0854, 19.0272, 20.7206**.

A 20% lighter version of the original color is **49.3859, 61.7577, 103.9253**, and **11.6848, 14.3016, 31.8504** is the 20% darker color. If you saturate the color by 10%, you get **24.8974, 31.7746, 63.8530**, and if you desaturate by 10%, it is **25.9606, 33.4498, 64.1203**.

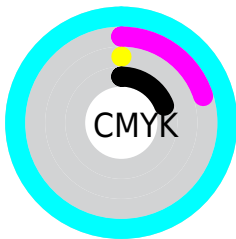
Distribution



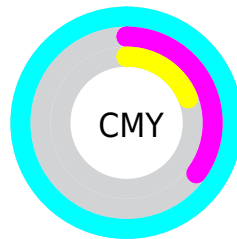
- Red (0%)
- Green (65%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8987, 31.7774, 63.8528 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 24.8987, 31.7774, 63.8528 by changing the saturation by 10% instead.

■ 24.8987, 31.7774,
63.8528

■ 24.8987, 31.7774,
63.8528

269.6900,
310.1040, 456.8507

■ 16.1299, 21.1915,
46.0860

■ 50.9369, 62.4620,
111.9963

■ 9.7076, 13.2641,
31.9646

■ 68.9371, 83.3294,
143.2102

■ 5.2663, 7.6106,
21.0698

■ 90.7451, 108.3929,
179.7435

■ 2.4407, 3.8468,
12.9833

■ 116.7262,
138.0368, 222.0148

■ 0.8654, 1.5883,
7.2865

■ 147.2460,
172.6454, 270.4427

■ 0.0000, 0.3497,
3.5607

182.6696,

■ 0.0000, 0.0000,

212.6032, 325.4456

1.3876

223.3625,
258.2946, 387.4421

■ 0.0000, 0.0000,
0.1320

■ 0.0000, 0.0000,
0.0000

■ 24.8987, 31.7774,
63.8528

■ 24.8987, 31.7774,
63.8528

■ 24.8974, 31.7746,
63.8530

■ 25.9606, 33.4498,
64.1203

■ 27.3705, 35.3366,
64.4102

■ 29.2397, 37.4962,
64.7285

■ 31.6278, 39.9594,
65.0781

■ 34.5852, 42.7528,
65.4614

■ 38.1562, 45.8993,
65.8805

■ 42.3806, 49.4198,
66.3374

■ 47.2948, 53.3333,
66.8337

■ 52.9322, 57.6574,
67.3713

Harmonies

Analogous

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



22.0685, 31.7774, 48.3892



24.8987, 31.7774, 63.8528



29.4238, 31.7774, 71.5757

Triad

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



24.8987, 31.7774, 63.8528



41.2704, 31.7774, 36.9018



26.1156, 31.7774, 14.6969

Complementary

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



24.8987, 31.7774, 63.8528



26.5273, 14.8549, 1.4706

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.



30.9968, 31.7774, 13.2304



24.8987, 31.7774, 63.8528



40.1260, 31.7774, 23.7163

Square

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



24.8987, 31.7774, 63.8528



39.1830, 31.7774, 53.4338



36.2128, 31.7774, 16.0067



22.7127, 31.7774, 20.8110

Rectangle

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



24.8987, 31.7774, 63.8528



32.9420, 31.7774, 70.0509



36.2128, 31.7774, 16.0067



27.6211, 31.7774, 13.7351

Sweetspot

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



24.8998, 31.7785, 63.8536



67.6394, 78.9730, 106.2861



22.6634, 44.7663, 9.2792



13.8349, 16.3742, 22.6813



0.0000, 0.0000, 0.0000



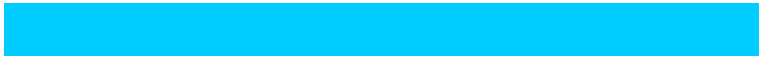
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8998, 31.7785, 63.8536



39.7576, 50.6353, 102.2859



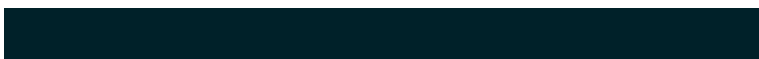
13.1872, 8.3534, 59.9494



11.9511, 12.9925, 15.1216



15.7540, 20.1546, 40.2524



0.9328, 1.2308, 2.2680

Inverse Universe

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



32.6160, 16.0199, 37.4504



52.1970, 25.6428, 59.6289



35.3264, 32.4532, 4.4036



12.2062, 11.9672, 14.3618



20.5826, 10.1059, 23.7721



1.1771, 0.5755, 1.4672

Previews

White Background



This preview shows how the XYZ color 24.8987, 31.7774, 63.8528 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 24.8987, 31.7774, 63.8528 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 24.8987, 31.7774, 63.8528

Background



This preview shows how black text looks on a background with the XYZ color 24.8987, 31.7774, 63.8528.

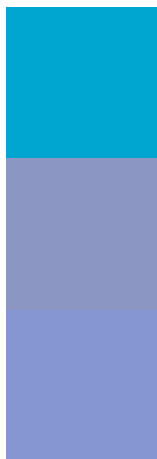


This preview shows how white text looks on a background with the XYZ color 24.8987, 31.7774,

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

24.8987, 31.7774, 63.8528

Protanopia

31.5719, 31.3283, 56.0127

Deuteranopia

32.3371, 31.5024, 66.0042



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



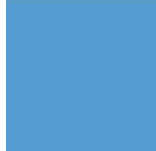
Original Color

24.8987, 31.7774, 63.8528



Protanomaly

26.3171, 30.0243, 58.4410



Deuteranomaly

27.2676, 30.3614, 65.3959



Tritanomaly

23.4066, 31.7669, 54.1882

Monochromacy



Original Color

24.8987, 31.7774, 63.8528



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.6737, 21.7361, 32.9697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8987, 31.7774, 63.8528 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, 166, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 207)  
}
```

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, 166, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 207) }
```

Border

The CSS property to change the border of an element to XYZ 24.8987, 31.7774, 63.8528 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, 166, 207) }
```


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

```
.border{ border-color:rgb(0, 166, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8987, 31.7774, 63.8528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 207) }
```

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

```
.background{ background-color: rgb(0, 166,  
207) }
```

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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