

Converting Colors

XYZ(19.8175, 28.6448, 62.7518)

Have a look what the booklet for
XYZ(19.8175, 28.6448, 62.7518)
contains.

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Color

**XYZ(24.4160, 31.0072,
63.0906)**

Conversions

Conversions Part 1

Format	Color
Hex	00A4CE
RGB	0, 164, 206
RGB Percent	0%, 64%, 81%
CMY	0.9998, 0.3569, 0.1922
CMYK	1.00, 0.20, 0.00, 0.19
HSL	192°, 100%, 40%
HSV	192°, 100%, 81%
XYZ	24.4160, 31.0072, 63.0906
YIQ	119.7520, -111.2260, -21.7060

Conversions

Conversions Part 2

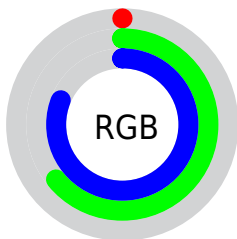
Format	Color
RYB	0, 91, 206
Decimal	42190
CIELab	62.51, -20.58, -31.37
CIElCh	63, 37.515, 236.737
Yxy	31.0072, 0.2060, 0.2616
Android (android.graphics.Color)	4278232270 (0xFF00A4CE)
YUV	119.7520, 42.5203, -105.0225
Hunter-Lab	55.6841, -19.1797, -28.1972

Details

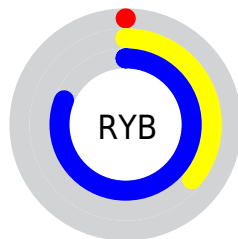
The XYZ color **24.4160, 31.0072, 63.0906** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.2835, 14.7808, 1.4689**, and the grayscale version is **17.6719, 18.5922, 20.2469**.

A 20% lighter version of the original color is **48.7483, 60.6497, 103.7450**, and **11.4617, 13.8553, 31.7760** is the 20% darker color. If you saturate the color by 10%, you get **24.4151, 31.0050, 63.0909**, and if you desaturate by 10%, it is **25.4825, 32.6921, 63.3602**.

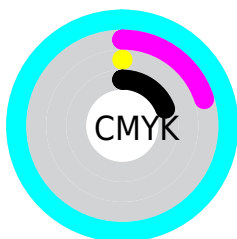
Distribution



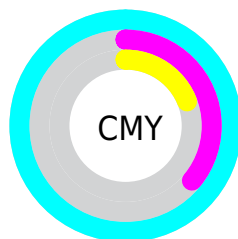
- Red (0%)
- Green (64%)
- Blue (81%)



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



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



- Cyan (100%)
- Magenta (36%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4160, 31.0072, 63.0906 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 24.4160, 31.0072, 63.0906 by changing the saturation by 10% instead.

■ 24.4160, 31.0072,
63.0906

■ 24.4160, 31.0072,
63.0906

267.3186,
306.5715, 454.0152

■ 15.7689, 20.6043,
45.4730

■ 50.1580, 61.2514,
110.8870

■ 9.4506, 12.8351,
31.4845

■ 67.9835, 81.8615,
141.9030

■ 5.0957, 7.3151,
20.7065

■ 89.5993, 106.6429,
178.2222

■ 2.3388, 3.6599,
12.7205

■ 115.3706,
135.9798, 220.2631

■ 0.8144, 1.4852,
7.1079

■ 145.6628,
170.2567, 268.4444

■ 0.0000, 0.2783,
3.4502

180.8413,

■ 0.0000, 0.0000,

209.8581, 323.1844

1.3289

221.2715,
255.1682, 384.9019

■ 0.0000, 0.0000,
0.0853

■ 0.0000, 0.0000,
0.0000

■ 24.4160, 31.0072,
63.0906

■ 24.4160, 31.0072,
63.0906

■ 24.4151, 31.0050,
63.0909

■ 25.4825, 32.6921,
63.3602

■ 26.8943, 34.5916,
63.6525

■ 28.7615, 36.7635,
63.9733

■ 31.1431, 39.2385,
64.3255

■ 34.0892, 42.0426,
64.7115

■ 37.6432, 45.1988,
65.1333

■ 41.8447, 48.7276,
65.5930

■ 46.7294, 52.6478,
66.0922

■ 52.3307, 56.9769,
66.6326

Harmonies

Analogous

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



21.5564, 31.0072, 48.0296



24.4160, 31.0072, 63.0906



28.9171, 31.0072, 70.2538

Triad

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



24.4160, 31.0072, 63.0906



40.3793, 31.0072, 35.3846



25.2783, 31.0072, 14.3861

Complementary

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



24.4160, 31.0072, 63.0906



26.2835, 14.7808, 1.4689

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.



30.0328, 31.0072, 12.7765



24.4160, 31.0072, 63.0906



39.1196, 31.0072, 22.6425

Square

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



24.4160, 31.0072, 63.0906



38.4496, 31.0072, 51.6157



35.1805, 31.0072, 15.3099



22.0124, 31.0072, 20.5877

Rectangle

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



24.4160, 31.0072, 63.0906



32.3849, 31.0072, 68.4063



35.1805, 31.0072, 15.3099



26.7381, 31.0072, 13.3842

Sweetspot

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



24.4171, 31.0083, 63.0914



67.5089, 78.7119, 106.2426



22.4764, 44.3050, 9.4863



13.8034, 16.3113, 22.6708



0.0000, 0.0000, 0.0000



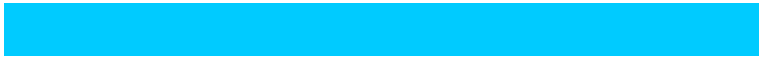
20.3446, 21.4041, 23.3091

Same Dimension

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



24.4171, 31.0083, 63.0914



39.4062, 49.9325, 102.1687



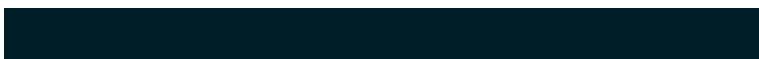
12.8545, 7.8832, 59.2372



11.3415, 12.3233, 14.3513



15.1046, 19.2332, 38.8726



0.8296, 1.0931, 2.0222

Inverse Universe

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



32.1553, 15.8033, 36.4786



52.0196, 25.5719, 58.6948



35.4596, 33.1331, 4.5276



11.5857, 11.3630, 13.6190



19.8350, 9.7446, 22.6476



1.0487, 0.5129, 1.3024

Previews

White Background



This preview shows how the XYZ color 24.4160, 31.0072, 63.0906 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 24.4160, 31.0072, 63.0906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

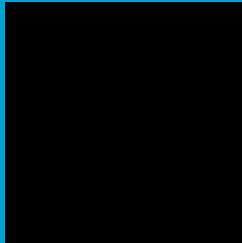
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.4160, 31.0072, 63.0906

Background



This preview shows how black text looks on a background with the XYZ color 24.4160, 31.0072, 63.0906.

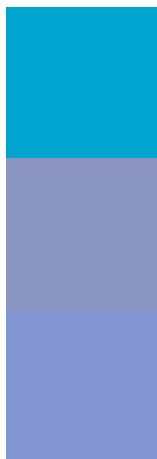


This preview shows how white text looks on a background with the XYZ color 24.4160, 31.0072,

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

24.4160, 31.0072, 63.0906

Protanopia

30.9663, 30.7932, 55.3505

Deuteranopia

31.5862, 30.8939, 65.2711



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

24.4160, 31.0072, 63.0906

Protanomaly

25.7731, 29.2631, 57.7160

Deuteranomaly

26.6315, 29.5537, 64.6224

Tritanomaly

22.8215, 30.9466, 52.9146

Monochromacy



Original Color

24.4160, 31.0072, 63.0906

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3706, 21.3792, 32.4892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4160, 31.0072, 63.0906 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 206) }
```

Border

The CSS property to change the border of an element to XYZ 24.4160, 31.0072, 63.0906 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, 206) }
```


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

```
.border{ border-color:rgb(0, 164, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4160, 31.0072, 63.0906 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, 206) }
```

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

```
.background{ background-color: rgb(0, 164,  
206) }
```

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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