

Converting Colors

XYZ(24.6494, 31.8602, 61.9772)

Have a look what the booklet for
XYZ(24.6494, 31.8602, 61.9772)
contains.

XYZ(24.7178, 31.9971, 62.0000)	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(24.7178, 31.9971,
62.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7CC
RGB	0, 167, 204
RGB Percent	0%, 65%, 80%
CMY	0.9998, 0.3451, 0.2000
CMYK	1.00, 0.18, 0.00, 0.20
HSL	191°, 100%, 40%
HSV	191°, 100%, 80%
XYZ	24.7178, 31.9971, 62.0000
YIQ	121.2850, -111.4090, -23.8970

Conversions

Conversions Part 2

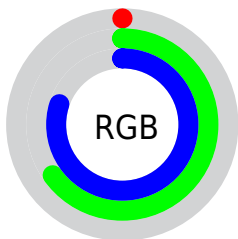
Format	Color
RYB	0, 92, 204
Decimal	42956
CIELab	63.34, -22.84, -28.98
CIELCh	63, 36.893, 231.759
Yxy	31.9971, 0.2082, 0.2695
Android (android.graphics.Color)	4278233036 (0xFF00A7CC)
YUV	121.2850, 40.7785, -106.3669
Hunter-Lab	56.5660, -20.9908, -25.3895

Details

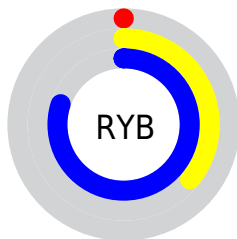
The XYZ color **24.7178, 31.9971, 62.0000** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.5653, 14.1635, 1.3877**, and the grayscale version is **18.1688, 19.1150, 20.8163**.

A 20% lighter version of the original color is **49.5381, 62.2293, 104.0083**, and **11.6358, 14.4635, 31.0326** is the 20% darker color. If you saturate the color by 10%, you get **24.7168, 31.9949, 62.0003**, and if you desaturate by 10%, it is **25.7037, 33.5268, 62.2439**.

Distribution



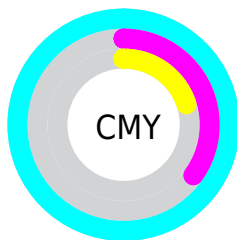
- Red (0%)
- Green (65%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7178, 31.9971, 62.0000 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 24.7178, 31.9971, 62.0000 by changing the saturation by 10% instead.

■ 24.7178, 31.9971,
62.0000

■ 24.7178, 31.9971,
62.0000

268.8033,
311.1060, 449.9387

■ 15.9945, 21.3593,
44.5969

■ 50.6452, 62.8065,
109.2971

■ 9.6111, 13.3869,
30.7994

■ 68.5801, 83.7470,
140.0282

■ 5.2022, 7.6955,
20.1890

■ 90.3163, 108.8904,
176.0391

■ 2.4023, 3.9007,
12.3470

■ 116.2190,
138.6212, 217.7483

■ 0.8463, 1.6182,
6.8551

■ 146.6538,
173.3237, 265.5743

■ 0.0000, 0.3698,
3.2946

181.9858,

■ 0.0000, 0.0000,

213.3825, 319.9357

1.2469

222.5805,
259.1818, 381.2510

■ 0.0000, 0.0000,
0.0177

■ 0.0000, 0.0000,
0.0000

■ 24.7178, 31.9971,
62.0000

■ 24.7178, 31.9971,
62.0000

■ 24.7168, 31.9949,
62.0003

■ 25.7037, 33.5268,
62.2439

■ 27.0216, 35.2562,
62.5083

■ 28.7799, 37.2419,
62.7989

■ 31.0361, 39.5137,
63.1185

■ 33.8388, 42.0970,
63.4694

■ 37.2305, 45.0139,
63.8536

■ 41.2496, 48.2844,
64.2731

■ 45.9311, 51.9267,
64.7294

■ 51.3074, 55.9579,
65.2241

Harmonies

Analogous

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



22.1563, 31.9971, 46.3687



24.7178, 31.9971, 62.0000



29.0232, 31.9971, 70.8455

Triad

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



24.7178, 31.9971, 62.0000



41.2303, 31.9971, 39.0379



26.9075, 31.9971, 14.6695

Complementary

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



24.7178, 31.9971, 62.0000



25.5653, 14.1635, 1.3877

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.



31.8450, 31.9971, 13.7257



24.7178, 31.9971, 62.0000



40.5001, 31.9971, 25.3997

Square

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



24.7178, 31.9971, 62.0000



38.8163, 31.9971, 55.3618



36.9204, 31.9971, 17.0583



23.3183, 31.9971, 20.1423

Rectangle

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



24.7178, 31.9971, 62.0000



32.4626, 31.9971, 70.3642



36.9204, 31.9971, 17.0583



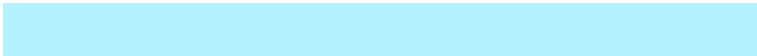
28.4501, 31.9971, 13.8879

Sweetspot

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



24.7189, 31.9982, 62.0008



68.0166, 79.7274, 106.4118



21.8829, 43.3022, 8.7210



13.9259, 16.5563, 22.7117



0.0000, 0.0000, 0.0000



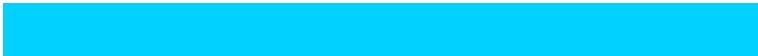
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7189, 31.9982, 62.0008



40.7871, 52.6942, 102.6290



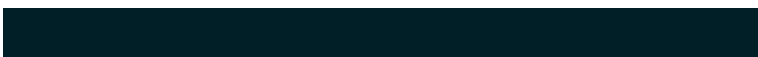
12.9687, 8.4979, 58.0841



11.3635, 12.3674, 14.3586



15.6195, 20.2629, 39.0442



0.8521, 1.1379, 2.0297

Inverse Universe

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



31.8778, 15.6286, 37.8968



52.7167, 25.8507, 62.3652



33.7087, 30.4503, 4.1021



11.5968, 11.3675, 13.6775



20.0949, 9.8485, 24.0161



1.0600, 0.5174, 1.3619

Previews

White Background



This preview shows how the XYZ color 24.7178, 31.9971, 62.0000 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 24.7178, 31.9971, 62.0000 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

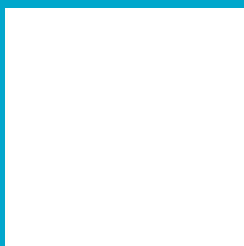
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7178, 31.9971, 62.0000

Background



This preview shows how black text looks on a background with the XYZ color 24.7178, 31.9971, 62.0000.

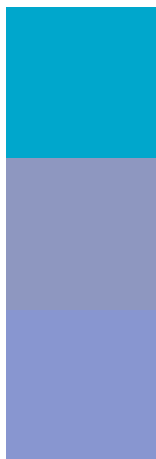


This preview shows how white text looks on a background with the XYZ color 24.7178, 31.9971,

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

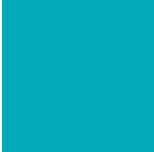
24.7178, 31.9971, 62.0000

Protanopia

31.7364, 31.6898, 54.3132

Deuteranopia

32.4449, 31.6010, 64.0641



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

24.7178, 31.9971, 62.0000



Protanomaly

26.2372, 30.2731, 56.6850



Deuteranomaly

27.0814, 30.3082, 63.4542



Tritanomaly

23.5919, 32.1375, 54.2500

Monochromacy



Original Color

24.7178, 31.9971, 62.0000



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.7350, 21.9891, 32.5877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7178, 31.9971, 62.0000 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, 167, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 204)  
}
```

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, 167, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 204) }
```

Border

The CSS property to change the border of an element to XYZ 24.7178, 31.9971, 62.0000 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, 167, 204) }
```


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

```
.border{ border-color:rgb(0, 167, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7178, 31.9971, 62.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 204) }
```

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

```
.background{ background-color: rgb(0, 167,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor