

Converting Colors

XYZ(24.6965, 31.9304, 62.5671)

Have a look what the booklet for
XYZ(24.6965, 31.9304, 62.5671)
contains.

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Color

**XYZ(24.8382, 32.0452,
62.6338)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7CD
RGB	0, 167, 205
RGB Percent	0%, 65%, 80%
CMY	0.9998, 0.3451, 0.1961
CMYK	1.00, 0.19, 0.00, 0.20
HSL	191°, 100%, 40%
HSV	191°, 100%, 80%
XYZ	24.8382, 32.0452, 62.6338
YIQ	121.3990, -111.7300, -23.5860

Conversions

Conversions Part 2

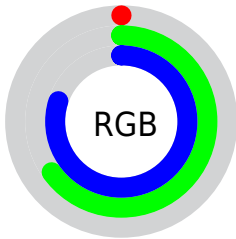
Format	Color
RYB	0, 92, 205
Decimal	42957
CIELab	63.38, -22.49, -29.47
CIELCh	63, 37.072, 232.652
Yxy	32.0452, 0.2078, 0.2681
Android (android.graphics.Color)	4278233037 (0xFF00A7CD)
YUV	121.3990, 41.2153, -106.4669
Hunter-Lab	56.6085, -20.7441, -25.9748

Details

The XYZ color **24.8382, 32.0452, 62.6338** 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 **25.8721, 14.3689, 1.4113**, and the grayscale version is **18.2050, 19.1531, 20.8577**.

A 20% lighter version of the original color is **49.5381, 62.2293, 104.0083**, and **11.7166, 14.4958, 31.4586** is the 20% darker color. If you saturate the color by 10%, you get **24.8369, 32.0425, 62.6340**, and if you desaturate by 10%, it is **25.8451, 33.6138, 62.8841**.

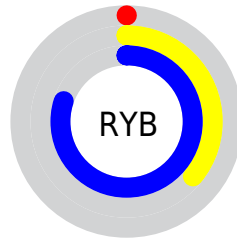
Distribution



Red (0%)

Green (65%)

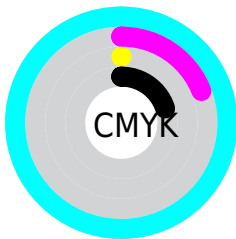
Blue (80%)



Red (0%)

Yellow (36%)

Blue (80%)

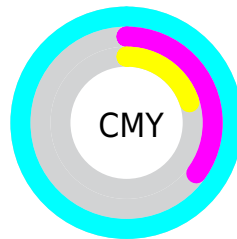


Cyan (100%)

Magenta (19%)

Yellow (0%)

Black (20%)



Cyan (100%)

Magenta (35%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8382, 32.0452, 62.6338 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 24.8382, 32.0452, 62.6338 by changing the saturation by 10% instead.

■ 24.8382, 32.0452,
62.6338

■ 24.8382, 32.0452,
62.6338

269.3937,
311.3251, 452.3106

■ 16.0846, 21.3960,
45.1059

■ 50.8394, 62.8819,
110.2215

■ 9.6753, 13.4138,
31.1973

■ 68.8178, 83.8383,
141.1184

■ 5.2448, 7.7141,
20.4894

■ 90.6017, 108.9992,
177.3087

■ 2.4278, 3.9126,
12.5637

■ 116.5567,
138.7490, 219.2110

■ 0.8590, 1.6248,
7.0016

■ 147.0481,
173.4720, 267.2438

■ 0.0000, 0.3742,
3.3847

182.4411,

■ 0.0000, 0.0000,

213.5528, 321.8256

1.2942

223.1012,
259.3757, 383.3750

■ 0.0000, 0.0000,
0.0571

■ 0.0000, 0.0000,
0.0000

■ 24.8382, 32.0452,
62.6338

■ 24.8382, 32.0452,
62.6338

■ 24.8369, 32.0425,
62.6340

■ 25.8451, 33.6138,
62.8841

■ 27.1890, 35.3862,
63.1554

■ 28.9792, 37.4196,
63.4535

■ 31.2738, 39.7441,
63.7813

■ 34.1221, 42.3854,
64.1410

■ 37.5672, 45.3661,
64.5347

■ 41.6478, 48.7062,
64.9644

■ 46.3995, 52.4244,
65.4316

■ 51.8550, 56.5377,
65.9380

Harmonies

Analogous

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



22.2047, 32.0452, 46.9906



24.8382, 32.0452, 62.6338



29.2094, 32.0452, 71.2432

Triad

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



24.8382, 32.0452, 62.6338



41.3698, 32.0452, 38.6449



26.8020, 32.0452, 14.7215

Complementary

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



24.8382, 32.0452, 62.6338



25.8721, 14.3689, 1.4113

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.



31.7417, 32.0452, 13.6492



24.8382, 32.0452, 62.6338



40.5384, 32.0452, 25.0714

Square

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



24.8382, 32.0452, 62.6338



39.0257, 32.0452, 55.0735



36.8673, 32.0452, 16.8570



23.2461, 32.0452, 20.3629

Rectangle

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



24.8382, 32.0452, 62.6338



32.6784, 32.0452, 70.5123



36.8673, 32.0452, 16.8570



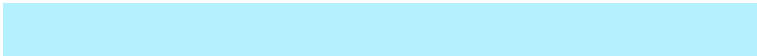
28.3406, 32.0452, 13.8944

Sweetspot

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



24.8393, 32.0463, 62.6346



67.9260, 79.5462, 106.3816



22.1760, 43.8010, 9.0879



13.9040, 16.5126, 22.7044



0.0000, 0.0000, 0.0000



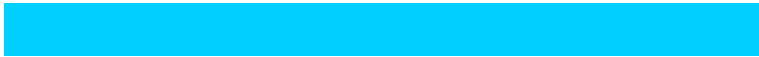
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8393, 32.0463, 62.6346



40.5380, 52.1959, 102.5460



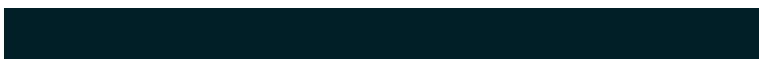
12.9078, 8.1833, 58.6574



11.3596, 12.3596, 14.3573



15.5266, 20.0772, 39.0132



0.8480, 1.1298, 2.0283

Inverse Universe

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



32.1529, 15.7705, 37.9095



52.5909, 25.8004, 61.7030



34.5702, 31.7649, 4.3107



11.5949, 11.3667, 13.6671



20.0480, 9.8298, 23.7693



1.0580, 0.5166, 1.3512

Previews

White Background



This preview shows how the XYZ color 24.8382, 32.0452, 62.6338 looks on a white background.

Color Contrast Check

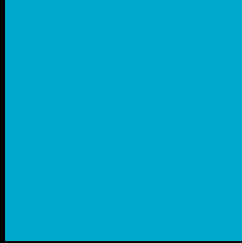
Large Text (above 18pt) WCAG AA × Fail

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 24.8382, 32.0452, 62.6338 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

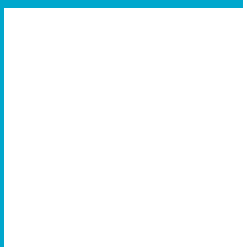
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8382, 32.0452, 62.6338

Background



This preview shows how black text looks on a background with the XYZ color 24.8382, 32.0452, 62.6338.

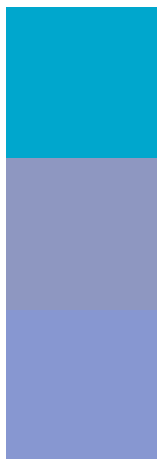


This preview shows how white text looks on a background with the XYZ color 24.8382, 32.0452,

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

24.8382, 32.0452, 62.6338

Protanopia

31.8476, 31.7343, 54.8989

Deuteranopia

32.5669, 31.8876, 64.7601



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

24.8382, 32.0452, 62.6338



Protanomaly

26.3515, 30.3188, 57.2866



Deuteranomaly

27.2799, 30.6464, 64.1521



Tritanomaly

23.5919, 32.1375, 54.2500

Monochromacy



Original Color

24.8382, 32.0452, 62.6338



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.8165, 22.0217, 33.0174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8382, 32.0452, 62.6338 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 205) }
```

Border

The CSS property to change the border of an element to XYZ 24.8382, 32.0452, 62.6338 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, 205) }
```


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

```
.border{ border-color:rgb(0, 167, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8382, 32.0452, 62.6338 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, 205) }
```

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

```
.background{ background-color: rgb(0, 167,  
205) }
```

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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