

Converting Colors

XYZ(20.4296, 29.0478, 65.1199)

Have a look what the booklet for
XYZ(20.4296, 29.0478, 65.1199)
contains.

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Color

**XYZ(24.9638, 31.5137,
65.0886)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5D1
RGB	0, 165, 209
RGB Percent	0%, 65%, 82%
CMY	0.9998, 0.3529, 0.1804
CMYK	1.00, 0.21, 0.00, 0.18
HSL	193°, 100%, 41%
HSV	193°, 100%, 82%
XYZ	24.9638, 31.5137, 65.0886
YIQ	120.6810, -112.4640, -21.2960

Conversions

Conversions Part 2

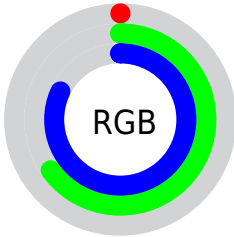
Format	Color
RYB	0, 92, 209
Decimal	42449
CIELab	62.94, -20.05, -32.38
CIELCh	63, 38.082, 238.232
Yxy	31.5137, 0.2054, 0.2592
Android (android.graphics.Color)	4278232529 (0xFF00A5D1)
YUV	120.6810, 43.5413, -105.8372
Hunter-Lab	56.1371, -18.8620, -29.4484

Details

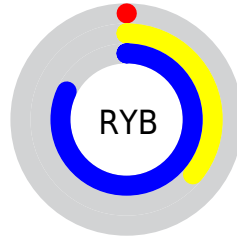
The XYZ color **24.9638, 31.5137, 65.0886** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.1977, 15.3609, 1.5330**, and the grayscale version is **17.9669, 18.9026, 20.5849**.

A 20% lighter version of the original color is **49.1227, 61.2312, 103.8375**, and **11.7379, 14.1433, 32.6831** is the 20% darker color. If you saturate the color by 10%, you get **24.9621, 31.5103, 65.0887**, and if you desaturate by 10%, it is **26.0801, 33.2885, 65.3730**.

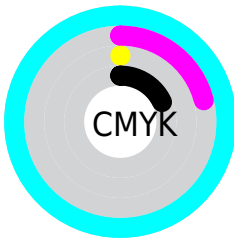
Distribution



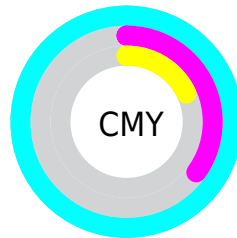
- Red (0%)
- Green (65%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9638, 31.5137, 65.0886 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 24.9638, 31.5137, 65.0886 by changing the saturation by 10% instead.

■ 24.9638, 31.5137,
65.0886

■ 24.9638, 31.5137,
65.0886

270.0086,
308.8980, 461.4252

■ 16.1787, 20.9903,
47.0811

■ 51.0418, 62.0479,
113.7917

■ 9.7423, 13.1169,
32.7450

■ 69.0654, 82.8276,
145.3245

■ 5.2894, 7.5091,
21.6616

■ 90.8992, 107.7948,
182.2027

■ 2.4545, 3.7825,
13.4126

■ 116.9085,
137.3340, 224.8449

■ 0.8724, 1.5526,
7.5792

■ 147.4588,
171.8295, 273.6698

■ 0.0000, 0.3254,
3.7430

182.9153,

■ 0.0000, 0.0000,

211.6657, 329.0958

1.4854

223.6435,
257.2271, 391.5414

■ 0.0000, 0.0000,
0.2070

■ 0.0000, 0.0000,
0.0000

■ 24.9638, 31.5137,
65.0886

■ 24.9638, 31.5137,
65.0886

■ 24.9621, 31.5103,
65.0887

■ 26.0801, 33.2885,
65.3730

■ 27.5559, 35.2891,
65.6813

■ 29.5042, 37.5746,
66.0198

■ 31.9864, 40.1771,
66.3913

■ 35.0541, 43.1236,
66.7983

■ 38.7527, 46.4377,
67.2431

■ 43.1230, 50.1409,
67.7276

■ 48.2021, 54.2529,
68.2535

■ 54.0245, 58.7915,
68.8227

Harmonies

Analogous

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



21.9371, 31.5137, 49.8213



24.9638, 31.5137, 65.0886



29.6437, 31.5137, 71.9048

Triad

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



24.9638, 31.5137, 65.0886



41.1718, 31.5137, 35.2093



25.4427, 31.5137, 14.6782

Complementary

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



24.9638, 31.5137, 65.0886



27.1977, 15.3609, 1.5330

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.



30.2641, 31.5137, 12.8247



24.9638, 31.5137, 65.0886



39.7161, 31.5137, 22.4117

Square

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



24.9638, 31.5137, 65.0886



39.3428, 31.5137, 51.8208



35.5659, 31.5137, 15.1885



22.1901, 31.5137, 21.2730

Rectangle

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



24.9638, 31.5137, 65.0886



33.2109, 31.5137, 69.5847



35.5659, 31.5137, 15.1885



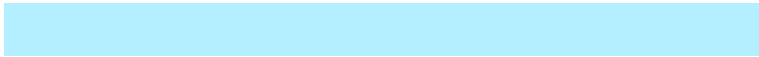
26.9151, 31.5137, 13.5823

Sweetspot

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



24.9649, 31.5148, 65.0894



67.3596, 78.4134, 106.1928



23.2165, 45.7678, 9.7863



13.7674, 16.2393, 22.6588



0.0000, 0.0000, 0.0000



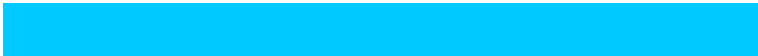
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9649, 31.5148, 65.0894



39.0074, 49.1348, 102.0358



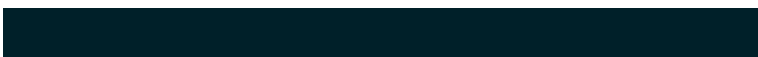
13.2725, 8.1300, 61.1919



11.9383, 12.9668, 15.1173



15.4643, 19.5751, 40.1558



0.9189, 1.2030, 2.2633

Inverse Universe

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



33.0871, 16.2733, 36.9954



51.8183, 25.4913, 57.6347



36.6229, 34.2112, 4.6748



12.1997, 11.9646, 14.3276



20.4364, 10.0474, 23.0019



1.1700, 0.5727, 1.4303

Previews

White Background



This preview shows how the XYZ color 24.9638, 31.5137, 65.0886 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 24.9638, 31.5137, 65.0886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

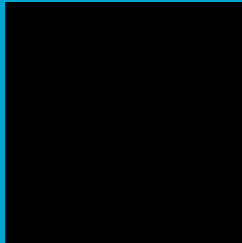
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9638, 31.5137, 65.0886

Background



This preview shows how black text looks on a background with the XYZ color 24.9638, 31.5137, 65.0886.

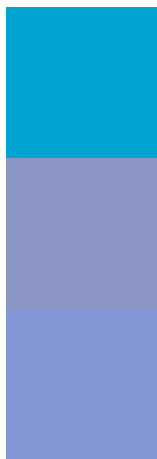


This preview shows how white text looks on a background with the XYZ color 24.9638, 31.5137,

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

24.9638, 31.5137, 65.0886

Protanopia

31.6319, 31.3329, 57.2040

Deuteranopia

32.1225, 31.3626, 67.3113



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

24.9638, 31.5137, 65.0886

Protanomaly

26.2885, 29.7344, 59.6121

Deuteranomaly

27.1723, 30.0352, 66.6526

Tritanomaly

23.2227, 31.3990, 54.1269

Monochromacy



Original Color

24.9638, 31.5137, 65.0886

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.7560, 21.7690, 33.4030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9638, 31.5137, 65.0886 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, 165, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 209)  
}
```

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, 165, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 209) }
```

Border

The CSS property to change the border of an element to XYZ 24.9638, 31.5137, 65.0886 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, 165, 209) }
```


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

```
.border{ border-color:rgb(0, 165, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9638, 31.5137, 65.0886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 209) }
```

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

```
.background{ background-color: rgb(0, 165,  
209) }
```

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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