

Converting Colors

XYZ(9.4714, 22.7944, 67.7270)

Have a look what the booklet for
XYZ(9.4714, 22.7944, 67.7270)
contains.

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Color

**XYZ(25.2348, 31.0494,
68.2815)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00A3D6 |
| RGB | 0, 163, 214 |
| RGB Percent | 0%, 64%, 84% |
| CMY | 0.9998, 0.3608, 0.1608 |
| CMYK | 1.00, 0.24, 0.00, 0.16 |
| HSL | 194°, 100%, 42% |
| HSV | 194°, 100%, 84% |
| XYZ | 25.2348, 31.0494, 68.2815 |
| YIQ | 120.0770, -113.5190, -18.6950 |

Conversions

Conversions Part 2

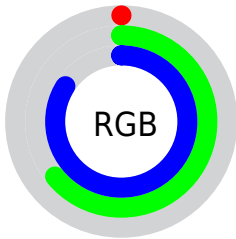
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 93, 214 |
| Decimal | 41942 |
| CIELab | 62.55, -17.22, -35.76 |
| CIELCh | 63, 39.688, 244.293 |
| Yxy | 31.0494, 0.2026, 0.2493 |
| Android (android.graphics.Color) | 4278232022 (0xFF00A3D6) |
| YUV | 120.0770, 46.3040, -105.3075 |
| Hunter-Lab | 55.7220, -16.6762, -33.6483 |

Details

The XYZ color **25.2348, 31.0494, 68.2815** 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 **28.9182, 16.6686, 1.6947**, and the grayscale version is **17.7652, 18.6904, 20.3538**.

A 20% lighter version of the original color is **48.7149, 60.2464, 103.6689**, and **11.9424, 13.8721, 34.8490** is the 20% darker color. If you saturate the color by 10%, you get **25.2330, 31.0457, 68.2815**, and if you desaturate by 10%, it is **26.4783, 33.0628, 68.6052**.

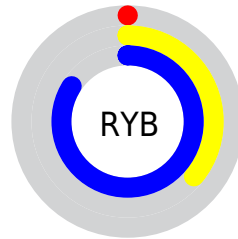
Distribution



Red (0%)

Green (64%)

Blue (84%)



Red (0%)

Yellow (36%)

Blue (84%)

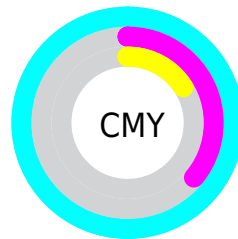


Cyan (100%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (100%)

Magenta (36%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2348, 31.0494, 68.2815 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 25.2348, 31.0494, 68.2815 by changing the saturation by 10% instead.

■ 25.2348, 31.0494,
68.2815

■ 25.2348, 31.0494,
68.2815

271.3314,
306.7658, 473.1179

■ 16.3817, 20.6365,
49.6587

■ 51.4780, 61.3178,
118.4128

■ 9.8872, 12.8585,
34.7730

■ 69.5989, 81.9421,
150.7583

■ 5.3860, 7.3312,
23.2059

■ 91.5398, 106.7390,
188.5151

■ 2.5125, 3.6701,
14.5389

■ 117.6660,
136.0929, 232.1018

■ 0.9016, 1.4908,
8.3534

■ 148.3429,
170.3881, 281.9369

■ 0.0000, 0.2822,
4.2309

183.9359,

■ 0.0000, 0.0000,

210.0090, 338.4389

1.7529

224.8102,
255.3402, 402.0264

■ 0.0000, 0.0000,
0.3966

■ 0.0000, 0.0000,
0.0000

■ 25.2348, 31.0494,
68.2815

■ 25.2348, 31.0494,
68.2815

■ 25.2330, 31.0457,
68.2815

■ 26.4783, 33.0628,
68.6052

■ 28.1106, 35.3310,
68.9570

■ 30.2498, 37.9160,
69.3432

■ 32.9611, 40.8520,
69.7670

■ 36.2994, 44.1679,
70.2311

■ 40.3130, 47.8892,
70.7378

■ 45.0452, 52.0388,
71.2894

■ 50.5356, 56.6376,
71.8877

■ 56.8208, 61.7050,
72.5345

Harmonies

Analogous

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



21.7410, 31.0494, 53.4708



25.2348, 31.0494, 68.2815



30.2952, 31.0494, 72.9514

Triad

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



25.2348, 31.0494, 68.2815



41.1174, 31.0494, 31.6312



24.0419, 31.0494, 14.7174

Complementary

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



25.2348, 31.0494, 68.2815



28.9182, 16.6686, 1.6947

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.



28.7415, 31.0494, 11.9864



25.2348, 31.0494, 68.2815



38.9428, 31.0494, 19.6742

Square

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



25.2348, 31.0494, 68.2815



39.8848, 31.0494, 48.4085



34.2460, 31.0494, 13.4761



21.1135, 31.0494, 22.4843

Rectangle

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



25.2348, 31.0494, 68.2815



33.9903, 31.0494, 68.7782



34.2460, 31.0494, 13.4761



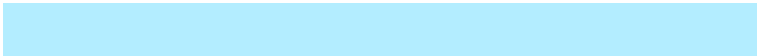
25.4446, 31.0494, 13.3088

Sweetspot

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



25.2359, 31.0505, 68.2823



66.7411, 77.1764, 105.9866



24.6226, 48.3241, 11.0444



13.6184, 15.9413, 22.6092



0.0000, 0.0000, 0.0000



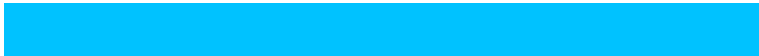
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2359, 31.0505, 68.2823



37.3897, 45.8994, 101.4966



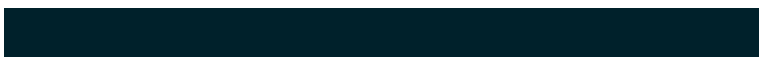
13.6067, 7.7921, 64.4059



12.5297, 13.5828, 15.8989



15.3356, 18.9329, 41.2993



0.9868, 1.2656, 2.5116

Inverse Universe

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



34.3434, 16.9418, 36.1112



51.0018, 25.1647, 53.3349



39.7803, 38.3928, 5.3154



12.8206, 12.5797, 14.9953



20.7995, 10.2561, 22.0462



1.2857, 0.6311, 1.4941

Previews

White Background



This preview shows how the XYZ color 25.2348, 31.0494, 68.2815 looks on a white background.

Color Contrast Check

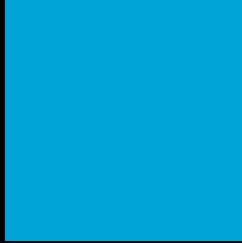
Large Text (above 18pt) WCAG AA × Fail

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 25.2348, 31.0494, 68.2815 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

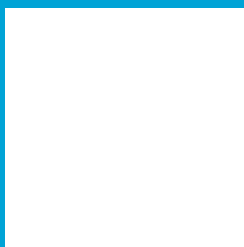
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2348, 31.0494, 68.2815

Background



This preview shows how black text looks on a background with the XYZ color 25.2348, 31.0494, 68.2815.

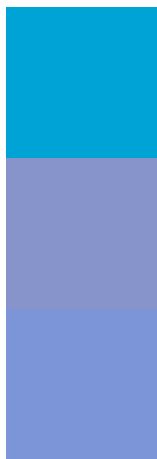


This preview shows how white text looks on a background with the XYZ color 25.2348, 31.0494,

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

25.2348, 31.0494, 68.2815

Protanopia

31.3611, 30.6425, 60.7616

Deuteranopia

31.5840, 30.7897, 69.9240



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



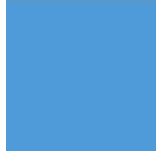
Original Color

25.2348, 31.0494, 68.2815



Protanomaly

26.4915, 29.2659, 63.2841



Deuteranomaly

27.1747, 29.7313, 69.2722



Tritanomaly

23.1506, 31.0782, 54.6477

Monochromacy



Original Color

25.2348, 31.0494, 68.2815



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.6174, 21.4779, 33.7890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2348, 31.0494, 68.2815 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, 163, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 214)  
}
```

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, 163, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 214) }
```

Border

The CSS property to change the border of an element to XYZ 25.2348, 31.0494, 68.2815 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, 163, 214) }
```


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

```
.border{ border-color:rgb(0, 163, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2348, 31.0494, 68.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 214) }
```

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

```
.background{ background-color: rgb(0, 163,  
214) }
```

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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