

Converting Colors

XYZ(10.0655, 23.9997, 64.0974)

Have a look what the booklet for
XYZ(10.0655, 23.9997, 64.0974)
contains.

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Color

**XYZ(25.0214, 31.8265,
64.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6D0
RGB	0, 166, 208
RGB Percent	0%, 65%, 82%
CMY	0.9998, 0.3490, 0.1843
CMYK	1.00, 0.20, 0.00, 0.18
HSL	192°, 100%, 41%
HSV	192°, 100%, 82%
XYZ	25.0214, 31.8265, 64.4989
YIQ	121.1540, -112.4180, -22.1300

Conversions

Conversions Part 2

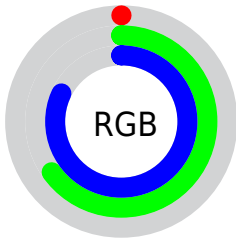
Format	Color
RYB	0, 92, 208
Decimal	42704
CIELab	63.20, -20.93, -31.42
CIELCh	63, 37.749, 236.335
Yxy	31.8265, 0.2062, 0.2623
Android (android.graphics.Color)	4278232784 (0xFF00A6D0)
YUV	121.1540, 42.8151, -106.2521
Hunter-Lab	56.4150, -19.5572, -28.2954

Details

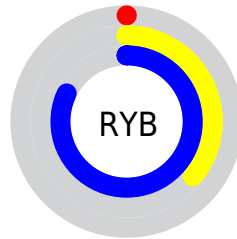
The XYZ color **25.0214, 31.8265, 64.4989** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.8427, 15.0695, 1.4954**, and the grayscale version is **18.1208, 19.0645, 20.7613**.

A 20% lighter version of the original color is **49.3859, 61.7577, 103.9253**, and **11.7671, 14.3345, 32.2836** is the 20% darker color. If you saturate the color by 10%, you get **25.0201, 31.8236, 64.4991**, and if you desaturate by 10%, it is **26.1042, 33.5375, 64.7727**.

Distribution



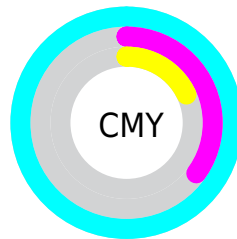
- Red (0%)
- Green (65%)
- Blue (82%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0214, 31.8265, 64.4989 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 25.0214, 31.8265, 64.4989 by changing the saturation by 10% instead.

■ 25.0214, 31.8265,
64.4989

■ 25.0214, 31.8265,
64.4989

270.2902,
310.3281, 459.2459

■ 16.2218, 21.2290,
46.6061

■ 51.1346, 62.5390,
112.9355

■ 9.7731, 13.2915,
32.3723

■ 69.1789, 83.4228,
144.3164

■ 5.3099, 7.6296,
21.3788

■ 91.0355, 108.5042,
181.0304

■ 2.4668, 3.8589,
13.2073

■ 117.0697,
138.1675, 223.4960

■ 0.8786, 1.5949,
7.4390

■ 147.6469,
172.7971, 272.1318

■ 0.0000, 0.3542,
3.6556

183.1325,

■ 0.0000, 0.0000,

212.7775, 327.3564

1.4384

223.8918,
258.4931, 389.5882

■ 0.0000, 0.0000,
0.1714

■ 0.0000, 0.0000,
0.0000

■ 25.0214, 31.8265,
64.4989

■ 25.0214, 31.8265,
64.4989

■ 25.0201, 31.8236,
64.4991

■ 26.1042, 33.5375,
64.7727

■ 27.5401, 35.4674,
65.0696

■ 29.4412, 37.6748,
65.3954

■ 31.8681, 40.1913,
65.7533

■ 34.8717, 43.0436,
66.1455

■ 38.4969, 46.2550,
66.5743

■ 42.7840, 49.8465,
67.0416

■ 47.7696, 53.8376,
67.5492

■ 53.4879, 58.2460,
68.0987

Harmonies

Analogous

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



22.1185, 31.8265, 49.0305



25.0214, 31.8265, 64.4989



29.6132, 31.8265, 71.9744

Triad

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



25.0214, 31.8265, 64.4989



41.4104, 31.8265, 36.5234



26.0132, 31.8265, 14.7512

Complementary

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



25.0214, 31.8265, 64.4989



26.8427, 15.0695, 1.4954

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.



30.8961, 31.8265, 13.1578



25.0214, 31.8265, 64.4989



40.1644, 31.8265, 23.4039

Square

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



25.0214, 31.8265, 64.4989



39.3944, 31.8265, 53.1510



36.1608, 31.8265, 15.8154



22.6432, 31.8265, 21.0390

Rectangle

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



25.0214, 31.8265, 64.4989



33.1612, 31.8265, 70.1964



36.1608, 31.8265, 15.8154



27.5146, 31.8265, 13.7437

Sweetspot

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



25.0225, 31.8276, 64.4997



67.5527, 78.7996, 106.2572



22.9682, 45.2772, 9.6857



13.8140, 16.3324, 22.6743



0.0000, 0.0000, 0.0000



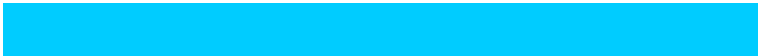
20.3446, 21.4041, 23.3091

Same Dimension

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



25.0225, 31.8276, 64.4997



39.5239, 50.1679, 102.2080



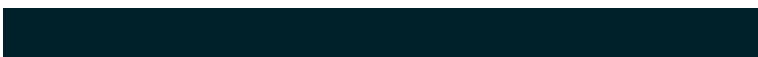
13.1323, 8.0472, 60.5363



11.9471, 12.9846, 15.1202



15.6638, 19.9741, 40.2223



0.9285, 1.2221, 2.2665

Inverse Universe

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



32.8964, 16.1644, 37.4636



52.0790, 25.5956, 59.0076



36.2327, 33.8496, 4.6254



12.2042, 11.9664, 14.3512



20.5371, 10.0877, 23.5322



1.1749, 0.5747, 1.4557

Previews

White Background



This preview shows how the XYZ color 25.0214, 31.8265, 64.4989 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 25.0214, 31.8265, 64.4989 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 25.0214, 31.8265, 64.4989

Background



This preview shows how black text looks on a background with the XYZ color 25.0214, 31.8265, 64.4989.

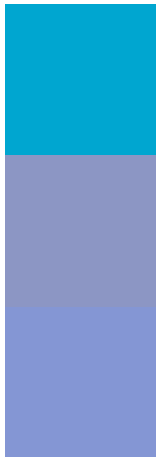


This preview shows how white text looks on a background with the XYZ color 25.0214, 31.8265,

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

25.0214, 31.8265, 64.4989

Protanopia

31.6854, 31.3737, 56.6103

Deuteranopia

32.3057, 31.4717, 66.6593



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

25.0214, 31.8265, 64.4989



Protanomaly

26.4336, 30.0709, 59.0546



Deuteranomaly

27.3025, 30.3649, 66.0500



Tritanomaly

23.4066, 31.7669, 54.1882

Monochromacy



Original Color

25.0214, 31.8265, 64.4989



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 25.0214, 31.8265, 64.4989 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, 166, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 208)  
}
```

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, 166, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 208) }
```

Border

The CSS property to change the border of an element to XYZ 25.0214, 31.8265, 64.4989 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, 166, 208) }
```


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

```
.border{ border-color:rgb(0, 166, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0214, 31.8265, 64.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 208) }
```

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

```
.background{ background-color: rgb(0, 166,  
208) }
```

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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