

Converting Colors

XYZ(23.6955, 30.1956, 68.7056)

Have a look what the booklet for
XYZ(23.6955, 30.1956, 68.7056)
contains.

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Color

**XYZ(25.3629, 31.1007,
68.9562)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3D7
RGB	0, 163, 215
RGB Percent	0%, 64%, 84%
CMY	0.9998, 0.3608, 0.1569
CMYK	1.00, 0.24, 0.00, 0.16
HSL	195°, 100%, 42%
HSV	195°, 100%, 84%
XYZ	25.3629, 31.1007, 68.9562
YIQ	120.1910, -113.8400, -18.3840

Conversions

Conversions Part 2

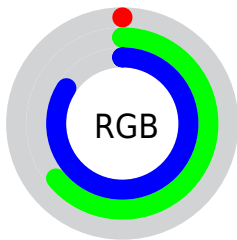
Format	Color
RYB	0, 93, 215
Decimal	41943
CIELab	62.59, -16.86, -36.25
CIELCh	63, 39.976, 245.056
Yxy	31.1007, 0.2022, 0.2480
Android (android.graphics.Color)	4278232023 (0xFF00A3D7)
YUV	120.1910, 46.7408, -105.4075
Hunter-Lab	55.7680, -16.4134, -34.2735

Details

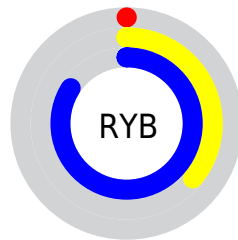
The XYZ color **25.3629, 31.1007, 68.9562** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **29.2549, 16.9075, 1.7229**, and the grayscale version is **17.7999, 18.7269, 20.3935**.

A 20% lighter version of the original color is **48.7149, 60.2464, 103.6689**, and **12.0296, 13.9069, 35.3080** is the 20% darker color. If you saturate the color by 10%, you get **25.3613, 31.0973, 68.9563**, and if you desaturate by 10%, it is **26.6270, 33.1521, 69.2862**.

Distribution



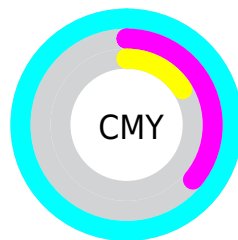
- Red (0%)
- Green (64%)
- Blue (84%)



- 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 25.3629, 31.1007, 68.9562 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 25.3629, 31.1007, 68.9562 by changing the saturation by 10% instead.

■ 25.3629, 31.1007,
68.9562

■ 25.3629, 31.1007,
68.9562

271.9548,
307.0020, 475.5662

■ 16.4778, 20.6755,
50.2045

■ 51.6840, 61.3986,
119.3861

■ 9.9559, 12.8870,
35.2036

■ 69.8507, 82.0401,
151.9014

■ 5.4318, 7.3508,
23.5349

■ 91.8420, 106.8558,
189.8417

■ 2.5401, 3.6824,
14.7800

■ 118.0233,
136.2302, 233.6255

■ 0.9155, 1.4976,
8.5202

■ 148.7598,
170.5476, 283.6713

■ 0.0000, 0.2870,
4.3371

184.4170,

■ 0.0000, 0.0000,

210.1925, 340.3976

1.8120

225.3603,
255.5491, 404.2231

■ 0.0000, 0.0000,
0.4359

■ 0.0000, 0.0000,
0.0000

■ 25.3629, 31.1007,
68.9562

■ 25.3629, 31.1007,
68.9562

■ 25.3613, 31.0973,
68.9563

■ 26.6270, 33.1521,
69.2862

■ 28.2853, 35.4633,
69.6449

■ 30.4571, 38.0970,
70.0388

■ 33.2083, 41.0876,
70.4710

■ 36.5946, 44.4646,
70.9444

■ 40.6647, 48.2536,
71.4612

■ 45.4625, 52.4780,
72.0237

■ 51.0280, 57.1590,
72.6339

■ 57.3984, 62.3162,
73.2936

Harmonies

Analogous

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



21.7946, 31.1007, 54.1599



25.3629, 31.1007, 68.9562



30.4922, 31.1007, 73.3503

Triad

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



25.3629, 31.1007, 68.9562



41.2579, 31.1007, 31.2900



23.9476, 31.1007, 14.7775

Complementary

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



25.3629, 31.1007, 68.9562



29.2549, 16.9075, 1.7229

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.



28.6475, 31.1007, 11.9230



25.3629, 31.1007, 68.9562



38.9810, 31.1007, 19.4010

Square

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



25.3629, 31.1007, 68.9562



40.1006, 31.1007, 48.1408



34.1969, 31.1007, 13.3093



21.0505, 31.1007, 22.7312

Rectangle

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



25.3629, 31.1007, 68.9562



34.2175, 31.1007, 68.9163



34.1969, 31.1007, 13.3093



25.3461, 31.1007, 13.3226

Sweetspot

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



25.3640, 31.1018, 68.9570



66.6629, 77.0200, 105.9606



24.8814, 48.8337, 11.1552



13.5996, 15.9037, 22.6029



0.0000, 0.0000, 0.0000



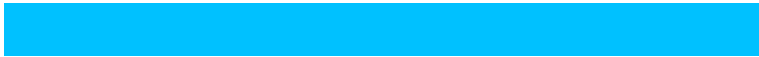
20.3446, 21.4041, 23.3091

Same Dimension

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



25.3640, 31.1018, 68.9570



37.1893, 45.4987, 101.4298



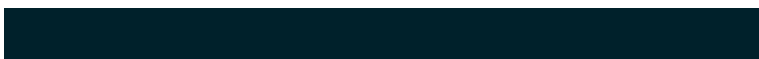
13.7479, 7.8695, 65.0849



12.5258, 13.5751, 15.8976



15.2553, 18.7724, 41.2726



0.9826, 1.2571, 2.5102

Inverse Universe

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



34.6362, 17.0927, 36.1250



50.9006, 25.1243, 52.8023



40.1972, 38.7920, 5.3704



12.8186, 12.5789, 14.9851



20.7590, 10.2399, 21.8329



1.2836, 0.6302, 1.4828

Previews

White Background



This preview shows how the XYZ color 25.3629, 31.1007, 68.9562 looks on a white background.

Color Contrast Check

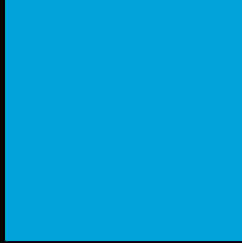
Large Text (above 18pt) WCAG AA × Fail

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 25.3629, 31.1007, 68.9562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

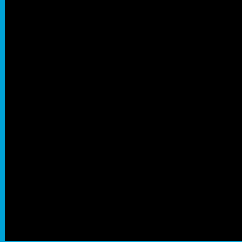
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.3629, 31.1007, 68.9562

Background



This preview shows how black text looks on a background with the XYZ color 25.3629, 31.1007, 68.9562.

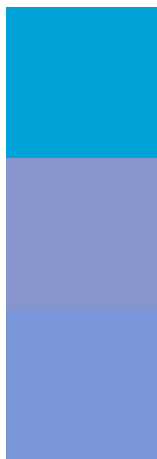


This preview shows how white text looks on a background with the XYZ color 25.3629, 31.1007,

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

25.3629, 31.1007, 68.9562

Protanopia

31.6382, 31.0054, 61.4439

Deuteranopia

31.5707, 30.7678, 70.6045



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

25.3629, 31.1007, 68.9562



Protanomaly

26.7785, 29.6437, 63.9849



Deuteranomaly

27.2219, 29.7407, 69.9514



Tritanomaly

23.2619, 31.1227, 55.2333

Monochromacy



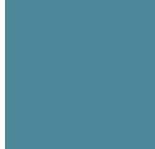
Original Color

25.3629, 31.1007, 68.9562



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

17.7010, 21.5114, 34.2295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3629, 31.1007, 68.9562 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 215) }
```

Border

The CSS property to change the border of an element to XYZ 25.3629, 31.1007, 68.9562 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, 215) }
```


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

```
.border{ border-color:rgb(0, 163, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3629, 31.1007, 68.9562 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, 215) }
```

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

```
.background{ background-color: rgb(0, 163,  
215) }
```

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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