

Converting Colors

XYZ(15.7954, 24.9969, 62.4816)

Have a look what the booklet for
XYZ(15.7954, 24.9969, 62.4816)
contains.

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Color

**XYZ(23.3674, 28.9100,
62.7411)**

Conversions

Conversions Part 1

Format	Color
Hex	009ECE
RGB	0, 158, 206
RGB Percent	0%, 62%, 81%
CMY	0.9998, 0.3804, 0.1922
CMYK	1.00, 0.23, 0.00, 0.19
HSL	194°, 100%, 40%
HSV	194°, 100%, 81%
XYZ	23.3674, 28.9100, 62.7411
YIQ	116.2300, -109.5760, -18.5680

Conversions

Conversions Part 2

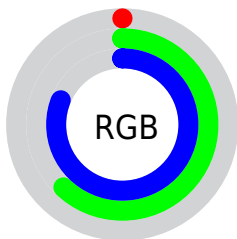
Format	Color
R _{YB}	0, 89, 206
Decimal	40654
CIE _{Lab}	60.70, -17.38, -34.18
CIE _{LCh}	61, 38.350, 243.044
Yxy	28.9100, 0.2032, 0.2514
Android (android.graphics.Color)	4278230734 (0xFF009ECE)
YUV	116.2300, 44.2566, -101.9337
Hunter-Lab	53.7680, -16.5185, -31.5470

Details

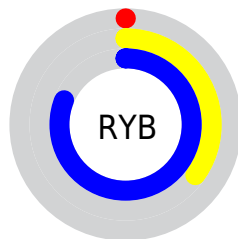
The XYZ color **23.3674, 28.9100, 62.7411** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.5126, 15.2392, 1.5452**, and the grayscale version is **16.5676, 17.4304, 18.9817**.

A 20% lighter version of the original color is **47.2111, 57.5752, 103.2326**, and **10.8436, 12.7498, 31.1676** is the 20% darker color. If you saturate the color by 10%, you get **23.3663, 28.9075, 62.7413**, and if you desaturate by 10%, it is **24.5046, 30.7363, 63.0343**.

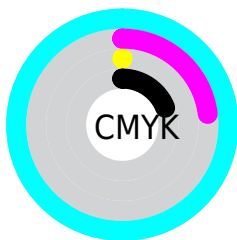
Distribution



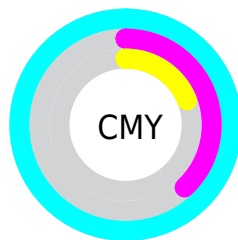
- Red (0%)
- Green (62%)
- Blue (81%)



- Red (0%)
- Yellow (35%)
- Blue (81%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3674, 28.9100, 62.7411 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 23.3674, 28.9100, 62.7411 by changing the saturation by 10% instead.

■ 23.3674, 28.9100,
62.7411

■ 23.3674, 28.9100,
62.7411

262.1067,
296.7901, 452.7113

■ 14.9872, 19.0127,
45.1921

■ 48.4581, 57.9341,
110.3779

■ 8.8967, 11.6795,
31.2647

■ 65.8994, 77.8297,
141.3028

■ 4.7304, 6.5258,
20.5404

■ 87.0917, 101.8268,
177.5234

■ 2.1231, 3.1674,
12.6005

■ 112.4004,
130.3100, 219.4583

■ 0.7017, 1.2197,
7.0265

■ 142.1909,
163.6635, 267.5260

■ 0.0000, 0.0777,
3.4000

176.8286,

■ 0.0000, 0.0000,

202.2717, 322.1450

1.3023

216.6787,
246.5191, 383.7340

■ 0.0000, 0.0000,
0.0637

■ 0.0000, 0.0000,
0.0000

■ 23.3674, 28.9100,
62.7411

■ 23.3674, 28.9100,
62.7411

■ 23.3663, 28.9075,
62.7413

■ 24.5046, 30.7363,
63.0343

■ 25.9944, 32.7918,
63.3525

■ 27.9470, 35.1346,
63.7018

■ 30.4216, 37.7954,
64.0850

■ 33.4681, 40.8007,
64.5045

■ 37.1305, 44.1735,
64.9625

■ 41.4481, 47.9346,
65.4609

■ 46.4570, 52.1031,
66.0015

■ 52.1905, 56.6966,
66.5859

Harmonies

Analogous

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



20.2167, 28.9100, 48.8963



23.3674, 28.9100, 62.7411



27.9889, 28.9100, 67.5081

Triad

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



23.3674, 28.9100, 62.7411



38.1755, 28.9100, 30.0463



22.5869, 28.9100, 13.6504

Complementary

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



23.3674, 28.9100, 62.7411



26.5126, 15.2392, 1.5452

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.



26.9735, 28.9100, 11.2862



23.3674, 28.9100, 62.7411



36.2982, 28.9100, 18.7823

Square

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



23.3674, 28.9100, 62.7411



36.9129, 28.9100, 45.5955



32.0446, 28.9100, 12.8342



19.8058, 28.9100, 20.6245

Rectangle

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



23.3674, 28.9100, 62.7411



31.3935, 28.9100, 64.0010



32.0446, 28.9100, 12.8342



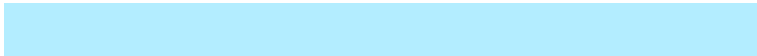
23.9025, 28.9100, 12.4046

Sweetspot

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



23.3684, 28.9110, 62.7418



66.8590, 77.4121, 106.0259



22.5393, 44.3302, 9.8176



13.6468, 15.9981, 22.6186



0.0000, 0.0000, 0.0000



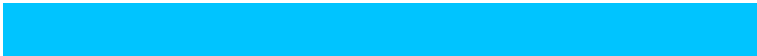
20.3446, 21.4041, 23.3091

Same Dimension

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



23.3684, 28.9110, 62.7418



37.6937, 46.5073, 101.5979



12.6743, 7.5227, 59.1771



11.3130, 12.2665, 14.3418



14.4652, 17.9543, 38.6594



0.8015, 1.0368, 2.0128

Inverse Universe

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



31.6260, 15.5915, 33.6913



51.1552, 25.2261, 54.1428



35.9885, 34.1908, 4.7039



11.5714, 11.3573, 13.5434



19.5123, 9.6155, 20.9480



1.0345, 0.5072, 1.2277

Previews

White Background



This preview shows how the XYZ color 23.3674, 28.9100, 62.7411 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3674, 28.9100, 62.7411 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 × Fail

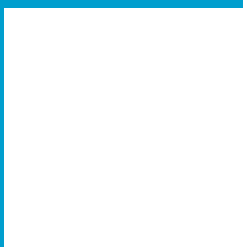
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3674, 28.9100, 62.7411

Background



This preview shows how black text looks on a background with the XYZ color 23.3674, 28.9100, 62.7411.

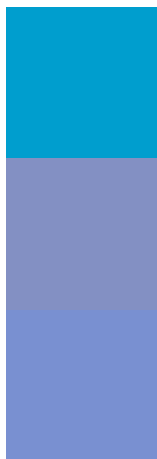


This preview shows how white text looks on a background with the XYZ color 23.3674, 28.9100,

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

23.3674, 28.9100, 62.7411

Protanopia

29.1837, 28.7119, 55.6336

Deuteranopia

29.3670, 28.6149, 64.2970



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



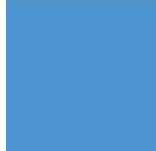
Original Color

23.3674, 28.9100, 62.7411



Protanomaly

24.6235, 27.4574, 58.0348



Deuteranomaly

25.1932, 27.6267, 63.6792



Tritanomaly

21.6078, 29.0349, 50.9198

Monochromacy



Original Color

23.3674, 28.9100, 62.7411



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.3652, 19.8584, 31.4043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3674, 28.9100, 62.7411 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, 158, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 206)  
}
```

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, 158, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 206) }
```

Border

The CSS property to change the border of an element to XYZ 23.3674, 28.9100, 62.7411 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, 158, 206) }
```


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

```
.border{ border-color:rgb(0, 158, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3674, 28.9100, 62.7411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 206) }
```

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

```
.background{ background-color: rgb(0, 158,  
206) }
```

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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