

Converting Colors

XYZ(23.6858, 28.7834, 65.2002)

Have a look what the booklet for
XYZ(23.6858, 28.7834, 65.2002)
contains.

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Color

**XYZ(23.6898, 28.7671,
65.2768)**

Conversions

Conversions Part 1

Format	Color
Hex	009DD2
RGB	0, 157, 210
RGB Percent	0%, 62%, 82%
CMY	0.9998, 0.3843, 0.1765
CMYK	1.00, 0.25, 0.00, 0.18
HSL	195°, 100%, 41%
HSV	195°, 100%, 82%
XYZ	23.6898, 28.7671, 65.2768
YIQ	116.0990, -110.5850, -16.8010

Conversions

Conversions Part 2

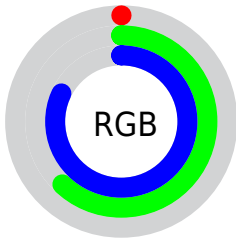
Format	Color
R _{YB}	0, 90, 210
Decimal	40402
CIE _{Lab}	60.58, -15.40, -36.61
CIE _{LCh}	61, 39.723, 247.182
Y _{xy}	28.7671, 0.2012, 0.2443
Android (android.graphics.Color)	4278230482 (0xFF009DD2)
YUV	116.0990, 46.2932, -101.8188
Hunter-Lab	53.6350, -15.0203, -34.6148

Details

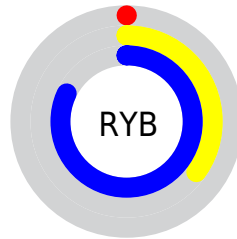
The XYZ color **23.6898, 28.7671, 65.2768** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.8540, 16.2521, 1.6702**, and the grayscale version is **16.5221, 17.3826, 18.9296**.

A 20% lighter version of the original color is **47.0730, 57.1317, 103.1543**, and **11.0704, 12.6746, 32.8733** is the 20% darker color. If you saturate the color by 10%, you get **23.6883, 28.7639, 65.2769**, and if you desaturate by 10%, it is **24.9170, 30.7606, 65.5975**.

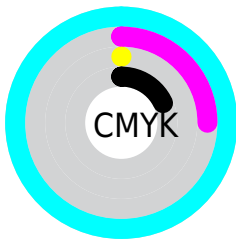
Distribution



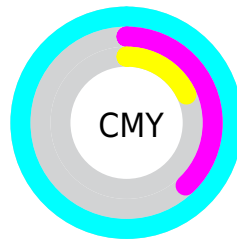
- Red (0%)
- Green (62%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (38%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6898, 28.7671, 65.2768 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 23.6898, 28.7671, 65.2768 by changing the saturation by 10% instead.

■ 23.6898, 28.7671,
65.2768

■ 23.6898, 28.7671,
65.2768

263.7181,
296.1145, 462.1194

■ 15.2272, 18.9047,
47.2328

■ 48.9819, 57.7068,
114.0648

■ 9.0663, 11.6014,
32.8641

■ 66.5421, 77.5530,
145.6459

■ 4.8419, 6.4729,
21.7521

■ 87.8654, 101.4958,
182.5764

■ 2.1886, 3.1347,
13.4783

■ 113.3174,
129.9198, 225.2749

■ 0.7367, 1.2025,
7.6241

■ 143.2633,
163.2092, 274.1599

■ 0.0000, 0.0637,
3.7711

178.0685,

■ 0.0000, 0.0000,

201.7486, 329.6499

1.5006

218.0983,
245.9222, 392.1636

■ 0.0000, 0.0000,
0.2184

■ 0.0000, 0.0000,
0.0000

■ 23.6898, 28.7671,
65.2768

■ 23.6898, 28.7671,
65.2768

■ 23.6883, 28.7639,
65.2769

■ 24.9170, 30.7606,
65.5975

■ 26.5193, 33.0056,
65.9464

■ 28.6111, 35.5622,
66.3296

■ 31.2546, 38.4630,
66.7502

■ 34.5023, 41.7358,
67.2107

■ 38.4002, 45.4050,
67.7135

■ 42.9899, 49.4927,
68.2606

■ 48.3091, 54.0189,
68.8539

■ 54.3929, 59.0025,
69.4952

Harmonies

Analogous

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



20.2072, 28.7671, 51.7035



23.6898, 28.7671, 65.2768



28.5951, 28.7671, 68.5790

Triad

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



23.6898, 28.7671, 65.2768



38.3526, 28.7671, 27.9193



21.7997, 28.7671, 13.7656

Complementary

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



23.6898, 28.7671, 65.2768



27.8540, 16.2521, 1.6702

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.



26.1266, 28.7671, 10.8124



23.6898, 28.7671, 65.2768



35.9856, 28.7671, 17.1549

Square

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



23.6898, 28.7671, 65.2768



37.4881, 28.7671, 43.6157



31.3521, 28.7671, 11.8219



19.2151, 28.7671, 21.5879

Rectangle

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



23.6898, 28.7671, 65.2768



32.1043, 28.7671, 63.8038



31.3521, 28.7671, 11.8219



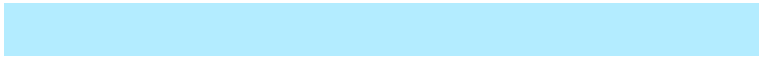
23.0761, 28.7671, 12.3034

Sweetspot

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



23.6908, 28.7681, 65.2775



66.4311, 76.5563, 105.8833



23.6793, 46.3467, 11.0100



13.5439, 15.7922, 22.5843



0.0000, 0.0000, 0.0000



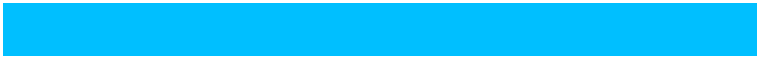
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6908, 28.7681, 65.2775



36.6003, 44.3206, 101.2334



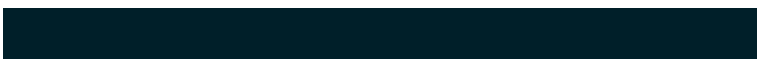
12.8855, 7.1574, 61.6758



11.8952, 12.8806, 15.1029



14.5332, 17.7131, 39.8455



0.8738, 1.1128, 2.2483

Inverse Universe

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



32.6651, 16.1371, 33.2923



50.6033, 25.0053, 51.2367



38.7226, 37.9894, 5.2931



12.1780, 11.9559, 14.2131



19.9664, 9.8594, 20.5272



1.1473, 0.5636, 1.3104

Previews

White Background



This preview shows how the XYZ color 23.6898, 28.7671, 65.2768 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 23.6898, 28.7671, 65.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

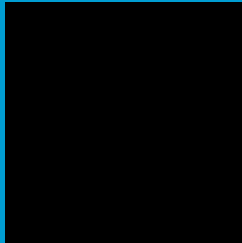
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6898, 28.7671, 65.2768

Background



This preview shows how black text looks on a background with the XYZ color 23.6898, 28.7671, 65.2768.

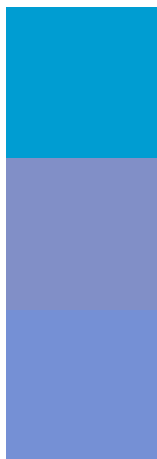


This preview shows how white text looks on a background with the XYZ color 23.6898, 28.7671,

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

23.6898, 28.7671, 65.2768

Protanopia

29.1845, 28.4356, 57.9833

Deuteranopia

29.3196, 28.5325, 66.9128



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

23.6898, 28.7671, 65.2768



Protanomaly

24.8491, 27.2854, 60.4568



Deuteranomaly

25.4552, 27.7042, 66.2932



Tritanomaly

21.5404, 28.7295, 51.4237

Monochromacy



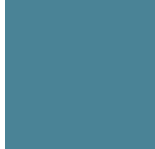
Original Color

23.6898, 28.7671, 65.2768



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

16.4454, 19.8905, 31.8266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6898, 28.7671, 65.2768 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, 157, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 210)  
}
```

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, 157, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 210) }
```

Border

The CSS property to change the border of an element to XYZ 23.6898, 28.7671, 65.2768 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, 157, 210) }
```


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

```
.border{ border-color:rgb(0, 157, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6898, 28.7671, 65.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 210) }
```

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

```
.background{ background-color: rgb(0, 157,  
210) }
```

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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